

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008964.D
 Acq On : 15 Apr 2019 16:46
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Quant Time: Apr 16 03:23:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	221370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364814	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	154512	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	5.49	113	110947	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	8.71	98	452573	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.13	95	156365	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	1271	0.498	ug/l	91
3) Chloromethane	1.32	50	2027	0.648	ug/l	95
4) Vinyl Chloride	1.41	62	1652	0.542	ug/l	100
5) Bromomethane	1.64	94	2335	4.978	ug/l	99
6) Chloroethane	1.71	64	1219	0.680	ug/l	91
7) Trichlorofluoromethane	1.93	101	1812	0.509	ug/l	94
8) Diethyl Ether	2.19	74	1095	0.673	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1246	0.548	ug/l	95
10) Methyl Iodide	2.51	142	3583	5.728	ug/l	98
11) Tert butyl alcohol	3.04	59	8779	12.677	ug/l #	91
12) 1,1-Dichloroethene	2.37	96	1298	0.547	ug/l	87
13) Acrolein	2.29	56	5974	9.984	ug/l	97
14) Allyl chloride	2.73	41	2904	0.561	ug/l #	84
15) Acrylonitrile	3.14	53	4716	2.683	ug/l	93
16) Acetone	2.45	43	5027	3.107	ug/l	94
17) Carbon Disulfide	2.57	76	4092	1.825	ug/l	99
18) Methyl Acetate	2.78	43	2718	0.673	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	4401	0.520	ug/l #	85
20) Methylene Chloride	2.85	84	2272	0.821	ug/l #	89
21) trans-1,2-Dichloroethene	3.16	96	1388	0.548	ug/l	90
22) Diisopropyl ether	3.85	45	5539	0.550	ug/l #	83
23) Vinyl Acetate	3.82	43	21044	2.379	ug/l	97
24) 1,1-Dichloroethane	3.70	63	2882	0.570	ug/l #	92
25) 2-Butanone	4.68	43	6319	2.444	ug/l	98
26) 2,2-Dichloropropane	4.59	77	1995	0.527	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	1649	0.574	ug/l	81
28) Bromochloromethane	5.01	49	1548	Below Cal	#	87
29) Tetrahydrofuran	5.15	42	5065	2.926	ug/l #	88
30) Chloroform	5.22	83	2587	0.572	ug/l	100
31) Cyclohexane	5.58	56	2685	0.540	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	2091	0.558	ug/l #	23
36) 1,1-Dichloropropene	5.81	75	2161	0.573	ug/l #	94
37) Ethyl Acetate	4.85	43	2517	0.518	ug/l #	94
38) Carbon Tetrachloride	5.77	117	1764	0.551	ug/l #	73

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2370	0.516	ug/l #	86
40) Benzene	6.15	78	5984	0.538	ug/l #	88
41) Methacrylonitrile	5.06	41	1741	0.625	ug/l #	74
42) 1,2-Dichloroethane	6.20	62	2591	0.657	ug/l	85
43) Isopropyl Acetate	6.45	43	4206	0.538	ug/l	99
44) Trichloroethene	7.21	130	1408	0.516	ug/l	88
45) 1,2-Dichloropropane	7.52	63	1760	0.570	ug/l	92
46) Dibromomethane	7.66	93	927	0.516	ug/l	97
47) Bromodichloromethane	7.90	83	1884	0.535	ug/l	89
48) Methyl methacrylate	7.77	41	2348	0.607	ug/l #	84
49) 1,4-Dioxane	7.75	88	807	11.153	ug/l #	73
51) 4-Methyl-2-Pentanone	8.64	43	12225	2.453	ug/l	99
52) Toluene	8.79	92	3381	0.507	ug/l	90
53) t-1,3-Dichloropropene	9.04	75	1720	0.424	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	1923	0.423	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	1315	0.497	ug/l	97
56) Ethyl methacrylate	9.18	69	2235	0.471	ug/l	95
57) 1,3-Dichloropropane	9.37	76	2514	0.534	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	5799	2.272	ug/l	99
59) 2-Hexanone	9.49	43	8588	2.235	ug/l	97
60) Dibromochloromethane	9.59	129	1109	0.438	ug/l	99
61) 1,2-Dibromoethane	9.67	107	1394	0.511	ug/l	93
64) Tetrachloroethene	9.34	164	1436	0.596	ug/l	93
65) Chlorobenzene	10.13	112	3459	0.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	1191	0.505	ug/l #	63
67) Ethyl Benzene	10.25	91	6167	0.504	ug/l	97
68) m/p-Xylenes	10.36	106	4496	1.012	ug/l	97
69) o-Xylene	10.70	106	2194	0.507	ug/l	98
70) Styrene	10.71	104	3452	0.461	ug/l	95
71) Bromoform	10.86	173	830	0.442	ug/l #	97
73) Isopropylbenzene	11.02	105	5516	0.523	ug/l	95
74) N-amyl acetate	10.90	43	3096	0.511	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	2169	0.562	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	2619	0.770	ug/l	82
77) Bromobenzene	11.26	156	1516	0.569	ug/l	96
78) n-propylbenzene	11.36	91	6243	0.515	ug/l	99
79) 2-Chlorotoluene	11.42	91	4310	0.590	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	4457	0.503	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.13	75	77499	58.522	ug/l #	11
82) 4-Chlorotoluene	11.51	91	4399	0.519	ug/l	99
83) tert-Butylbenzene	11.77	119	4449	0.523	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	4639	0.515	ug/l	99
85) sec-Butylbenzene	11.94	105	5079	0.501	ug/l	97
86) p-Isopropyltoluene	12.07	119	4660	0.500	ug/l	86
87) 1,3-Dichlorobenzene	12.02	146	2350	0.504	ug/l	94
88) 1,4-Dichlorobenzene	12.02	146	2350	0.497	ug/l	93
89) n-Butylbenzene	12.39	91	4047	0.466	ug/l	97
90) Hexachloroethane	12.60	117	740	0.481	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	2469	0.536	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	487	0.555	ug/l	91

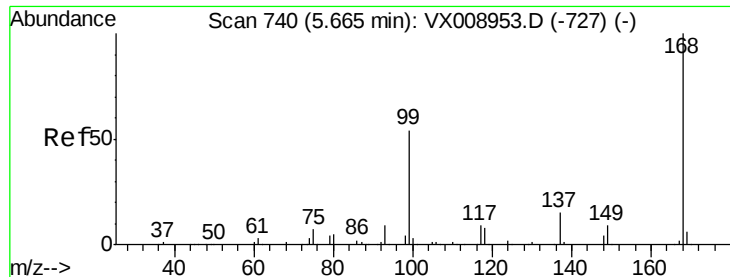
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1618	0.487	ug/l	94
94) Hexachlorobutadiene	13.78	225	860	0.519	ug/l	97
95) Naphthalene	13.83	128	4802	0.451	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	1540	0.470	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

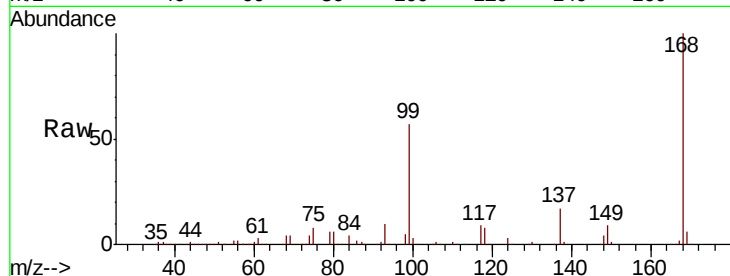
LOD-MDL-WATER-01-QT2-2019

Tot Ion:168 Resp: 221370

Ion Ratio Lower Upper

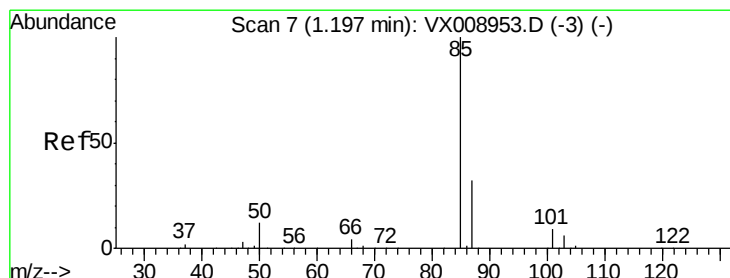
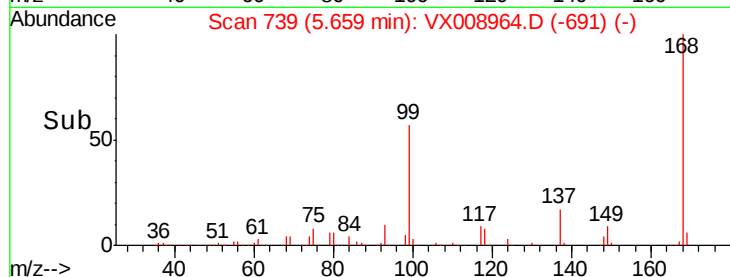
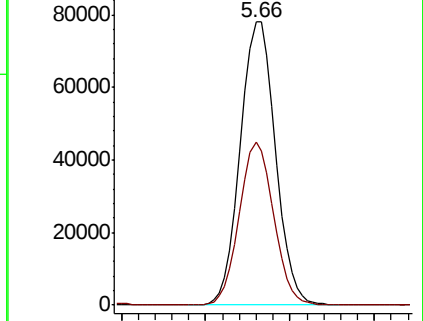
168 100

99 57.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.498 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008964.D

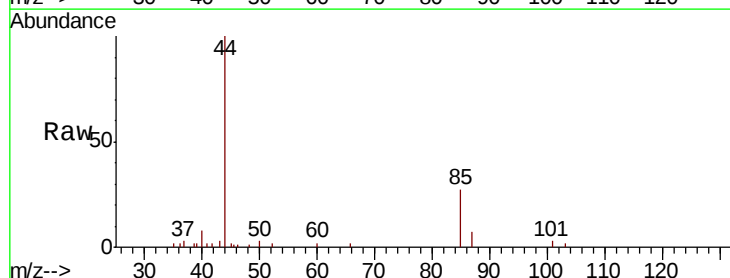
Acq: 15 Apr 2019 16:46

Tgt Ion: 85 Resp: 1271

Ion Ratio Lower Upper

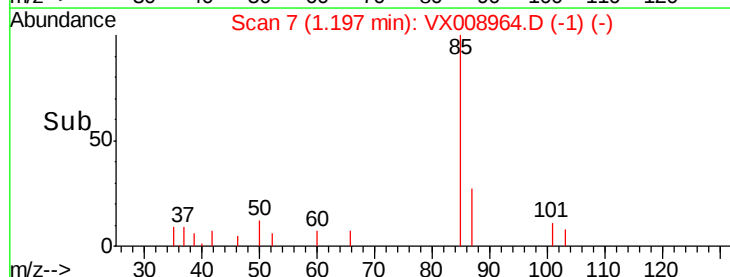
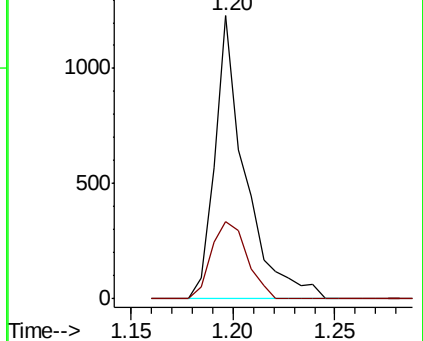
85 100

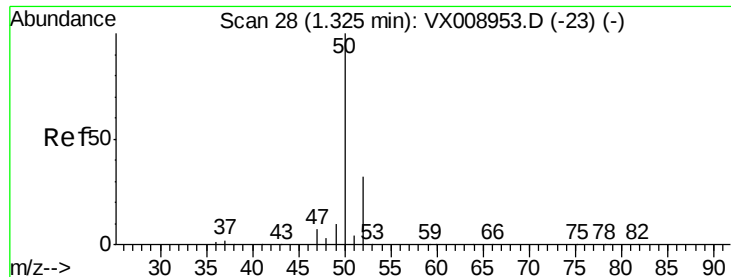
87 27.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.648 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

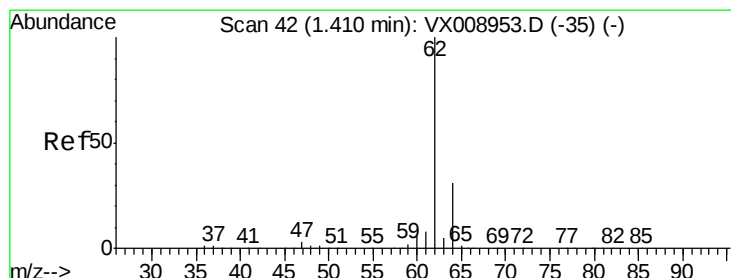
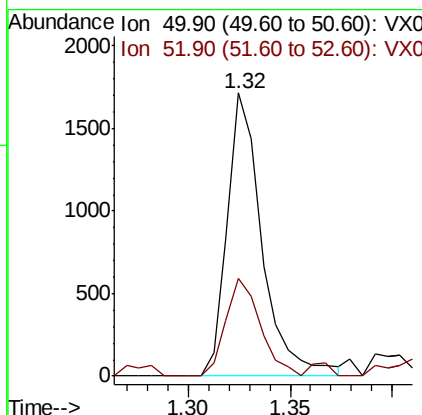
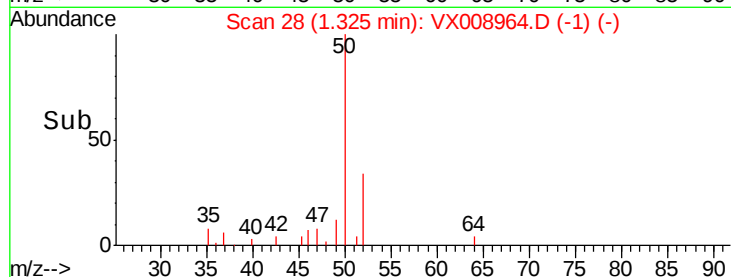
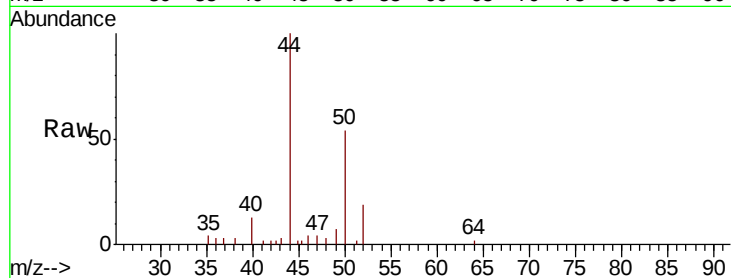
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 50 Resp: 2027

Ion Ratio Lower Upper

50 100

52 34.4 25.5 38.3



#4

Vinyl Chloride

Concen: 0.542 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008964.D

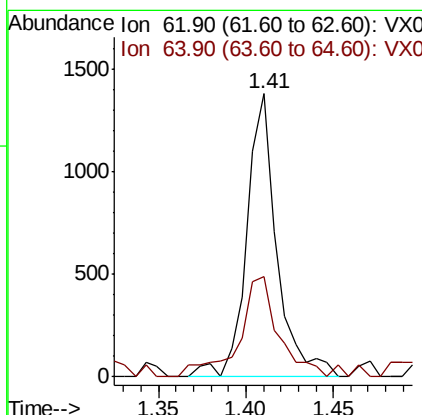
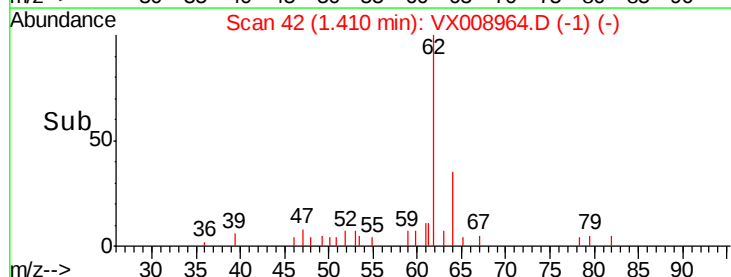
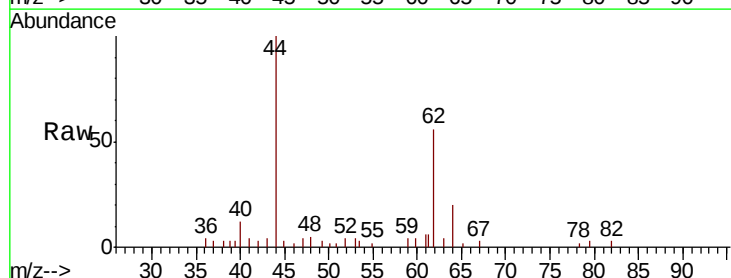
Acq: 15 Apr 2019 16:46

Tgt Ion: 62 Resp: 1652

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 4.978 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

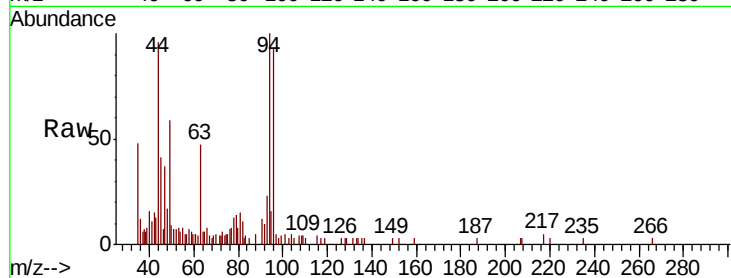
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 94 Resp: 2335

Ion Ratio Lower Upper

94 100

96 93.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

2000

1500

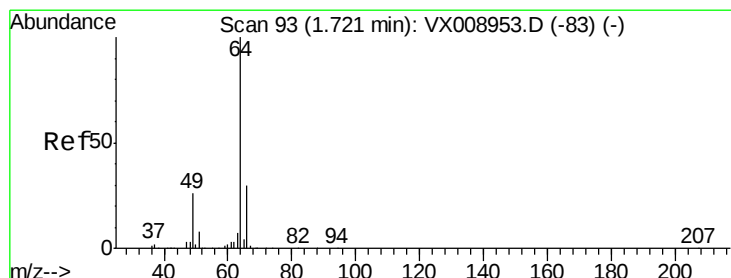
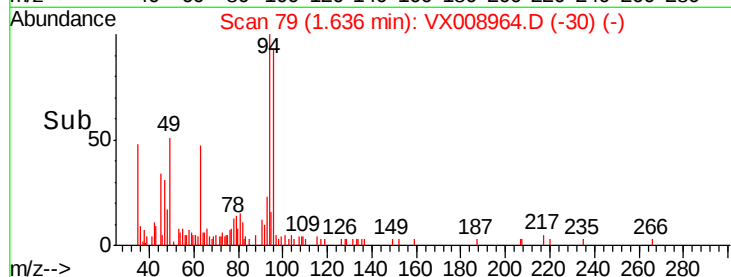
1000

500

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.680 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008964.D

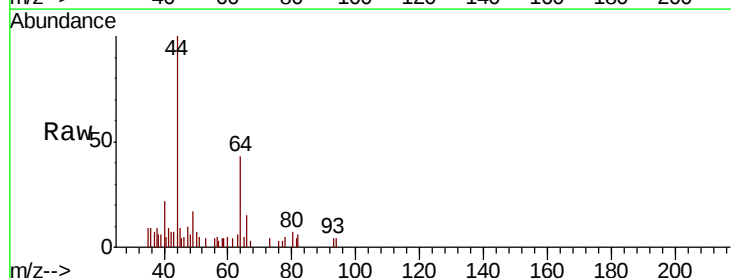
Acq: 15 Apr 2019 16:46

Tgt Ion: 64 Resp: 1219

Ion Ratio Lower Upper

64 100

66 35.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

800

600

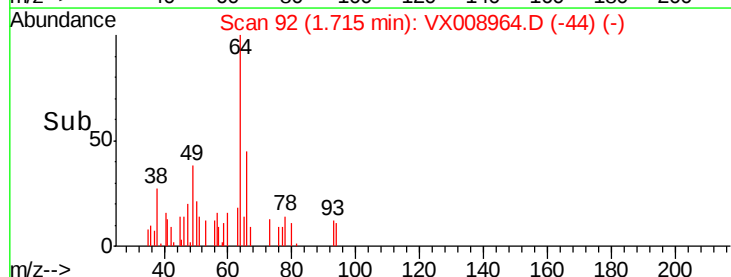
400

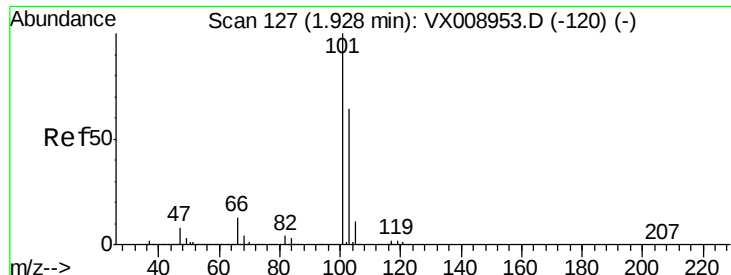
200

0

1.70 1.75

Time-->





#7

Trichlorofluoromethane

Concen: 0.509 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

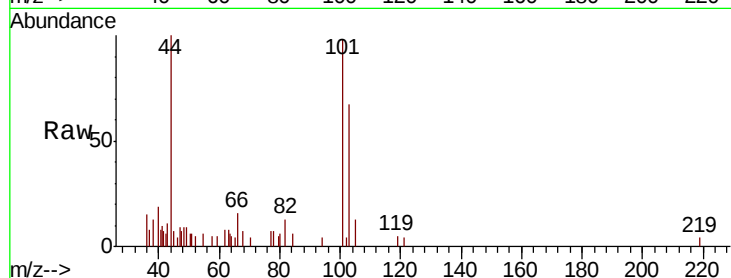
LOD-MDL-WATER-01-QT2-2019

Tot Ion:101 Resp: 1812

Ion Ratio Lower Upper

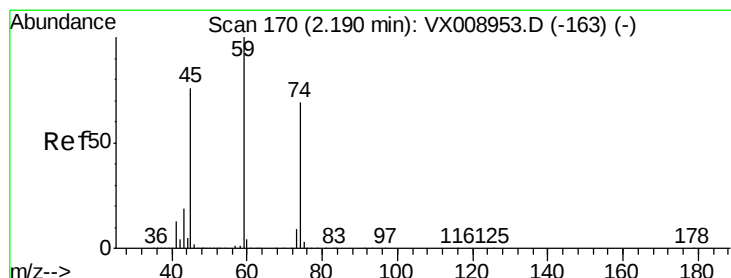
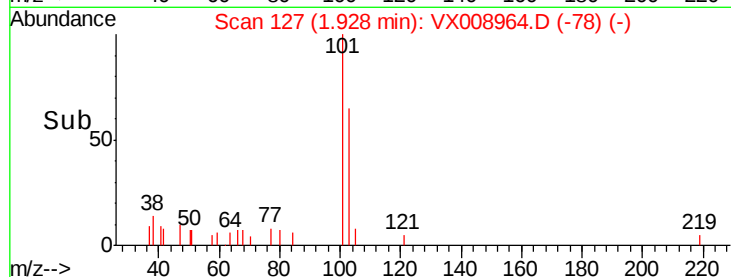
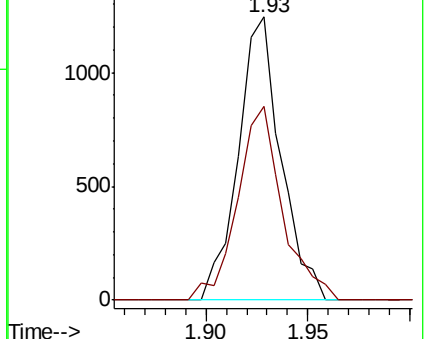
101 100

103 68.5 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.673 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX008964.D

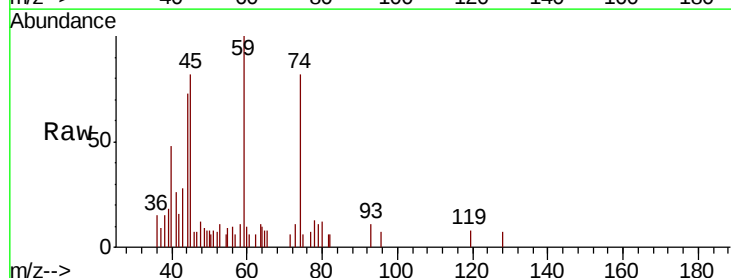
Acq: 15 Apr 2019 16:46

Tgt Ion: 74 Resp: 1095

Ion Ratio Lower Upper

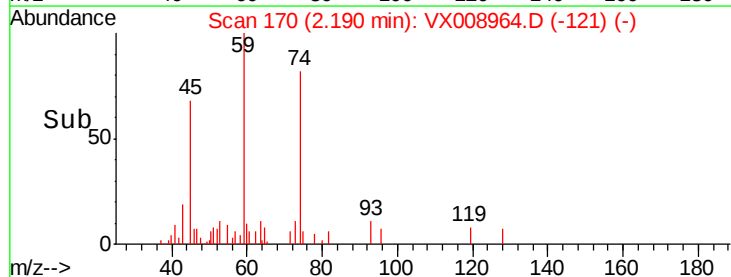
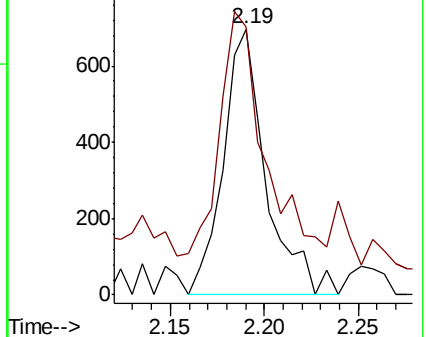
74 100

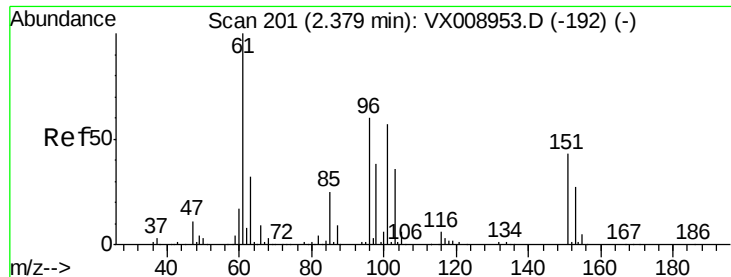
45 103.7 54.9 164.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.548 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

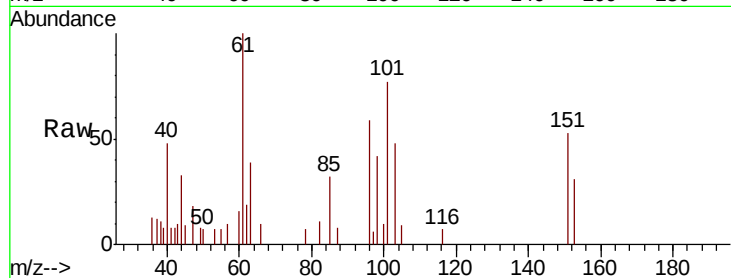
Tot Ion:101 Resp: 1246

Ion Ratio Lower Upper

101 100

85 47.3 35.7 53.5

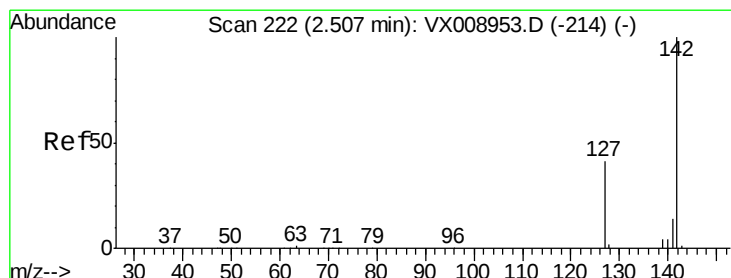
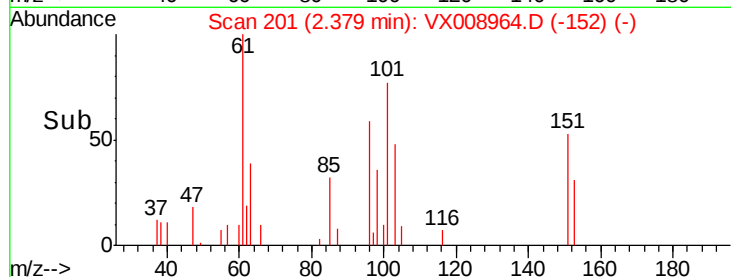
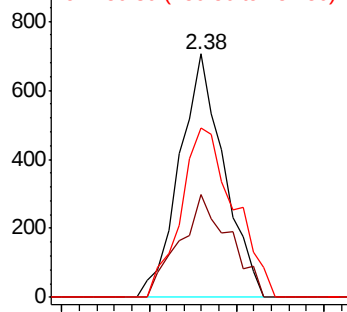
151 83.9 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.728 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

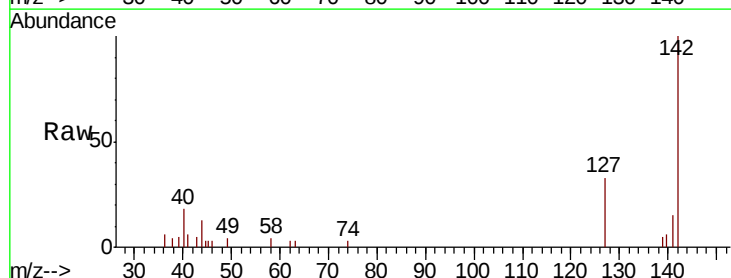
Tgt Ion:142 Resp: 3583

Ion Ratio Lower Upper

142 100

127 39.1 32.8 49.2

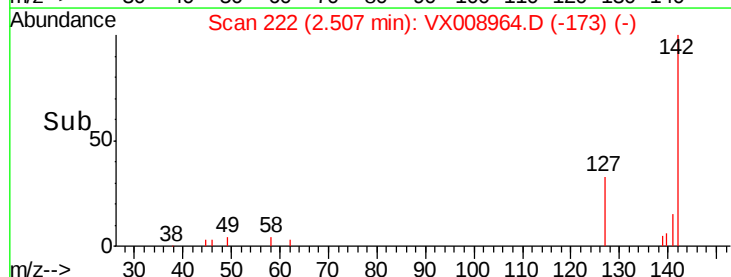
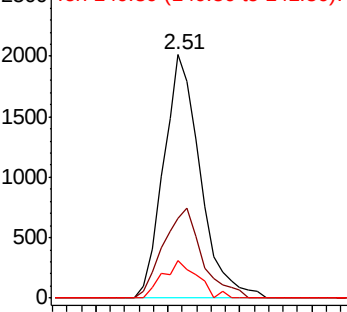
141 14.6 11.4 17.2

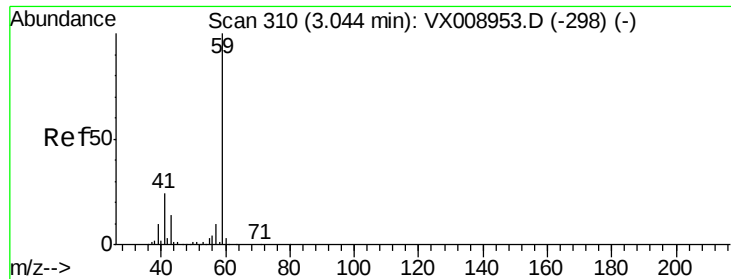


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



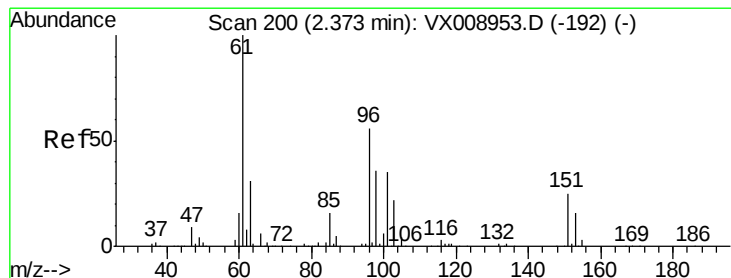
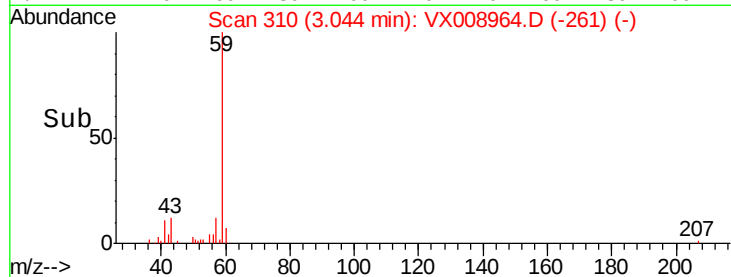
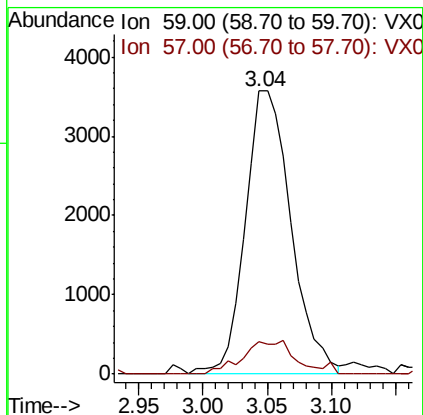
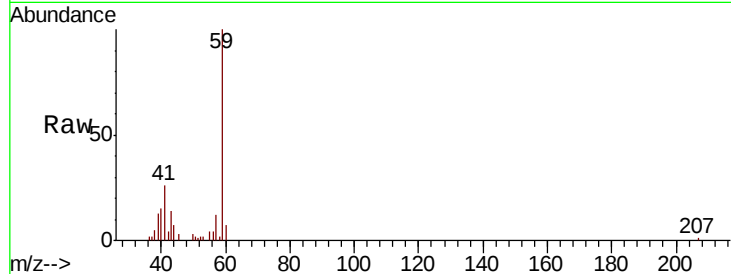


#11

Tert butyl alcohol
 Concen: 12.677 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

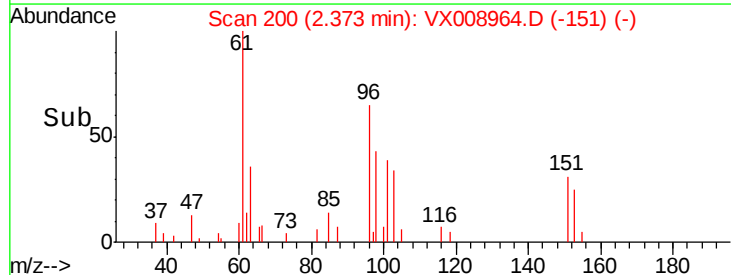
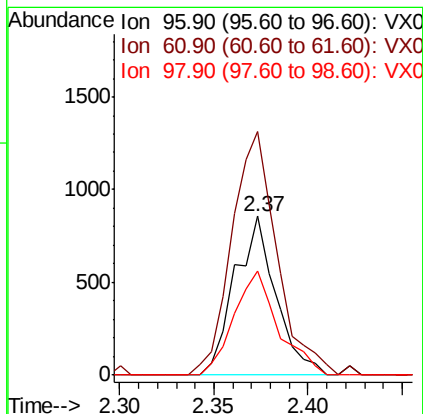
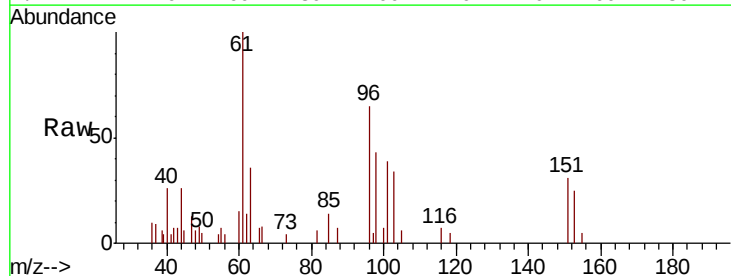
Tot Ion: 59 Resp: 8779
 Ion Ratio Lower Upper
 59 100
 57 13.9 8.4 12.6#

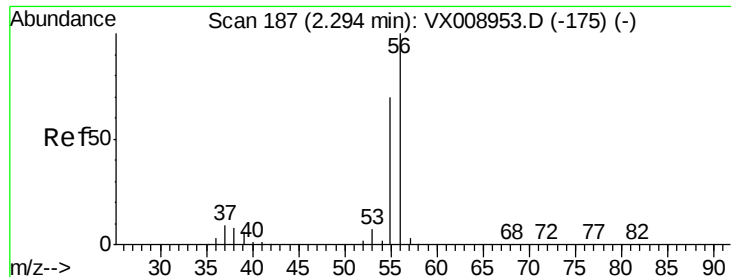


#12

1,1-Dichloroethene
 Concen: 0.547 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Tgt Ion: 96 Resp: 1298
 Ion Ratio Lower Upper
 96 100
 61 153.4 142.2 213.2
 98 65.4 50.9 76.3





#13

Acrolein

Concen: 9.984 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

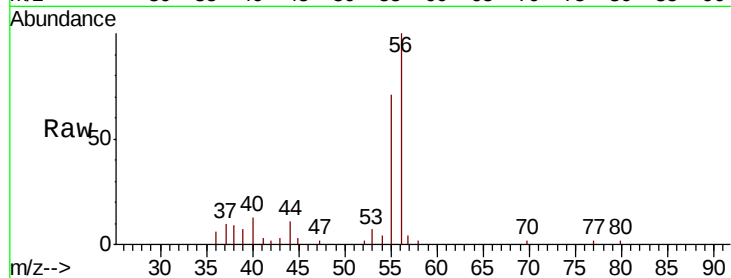
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 56 Resp: 5974

Ion Ratio Lower Upper

56 100

55 68.1 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

4000

3000

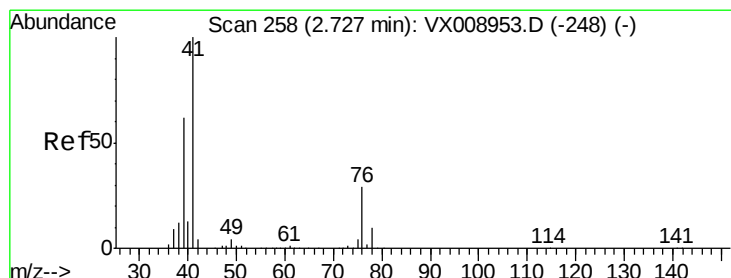
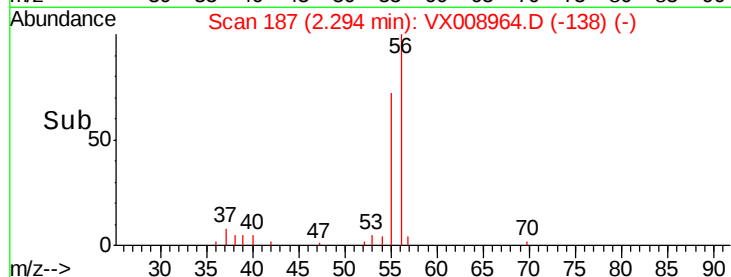
2000

1000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 0.561 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

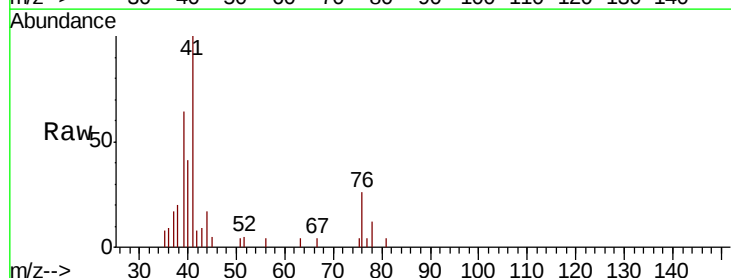
Tgt Ion: 41 Resp: 2904

Ion Ratio Lower Upper

41 100

39 75.1 46.7 70.1#

76 28.9 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2000

1500

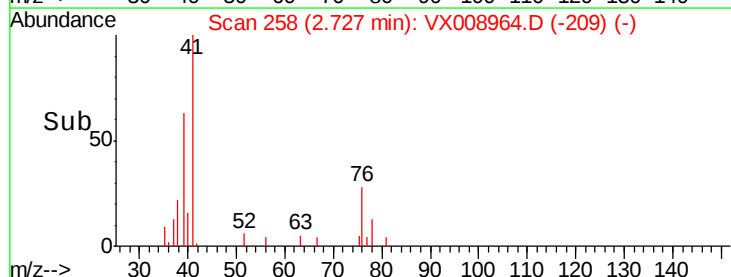
1000

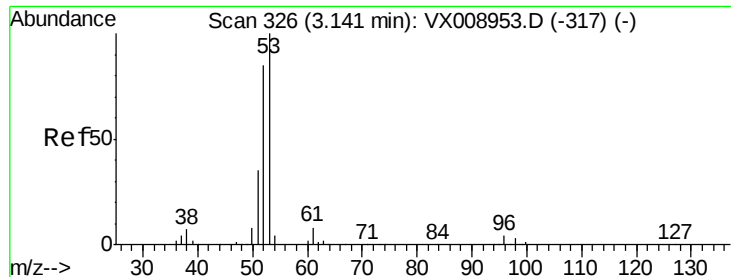
500

0

Time-->

2.65 2.70 2.75 2.80





#15

Acrylonitrile

Concen: 2.683 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

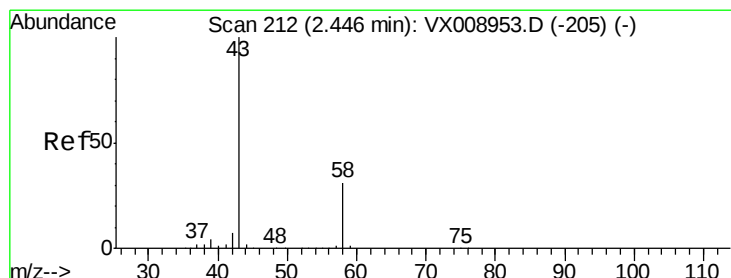
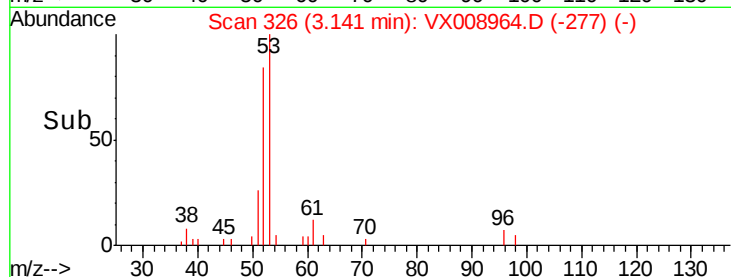
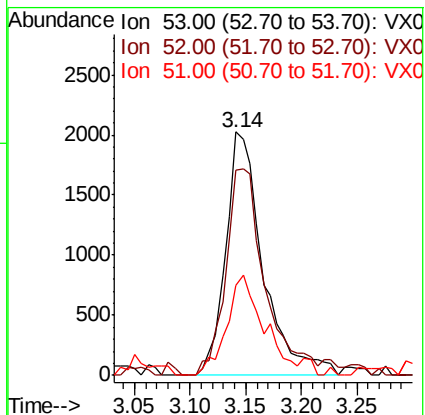
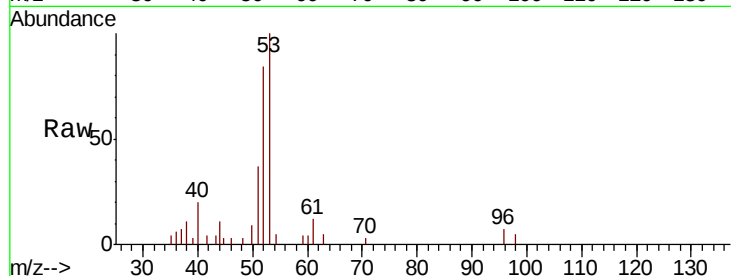
Tot Ion: 53 Resp: 4716

Ion Ratio Lower Upper

53 100

52 88.5 66.6 100.0

51 40.6 28.3 42.5



#16

Acetone

Concen: 3.107 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008964.D

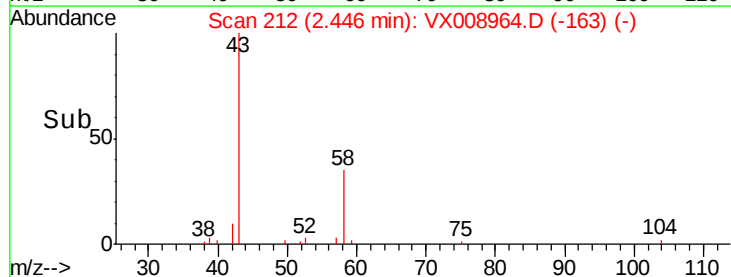
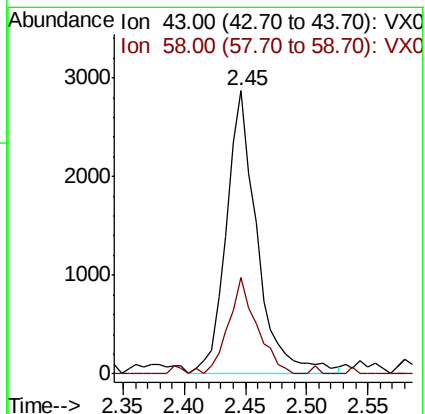
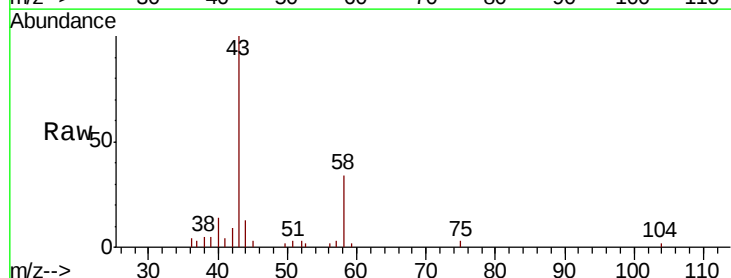
Acq: 15 Apr 2019 16:46

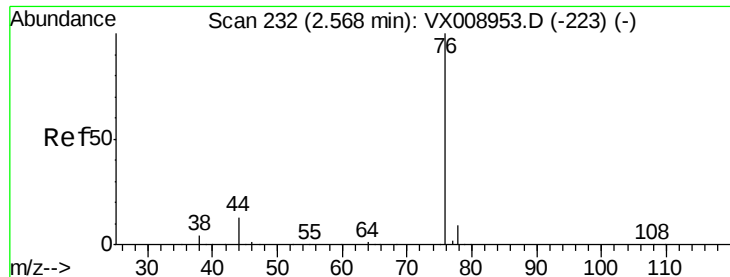
Tgt Ion: 43 Resp: 5027

Ion Ratio Lower Upper

43 100

58 34.2 24.8 37.2





#17

Carbon Disulfide

Concen: 1.825 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

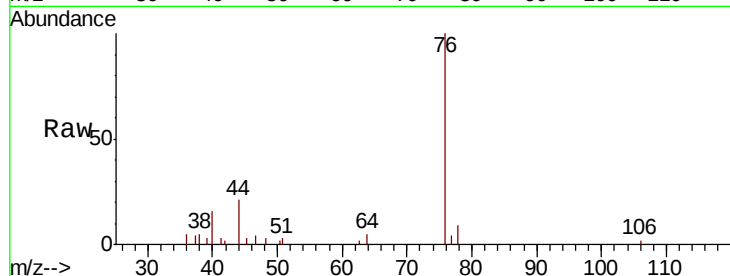
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 76 Resp: 4092

Ion Ratio Lower Upper

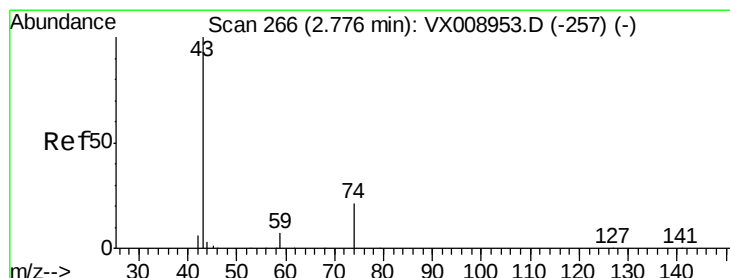
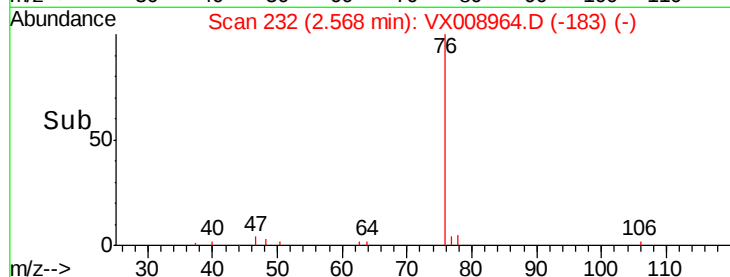
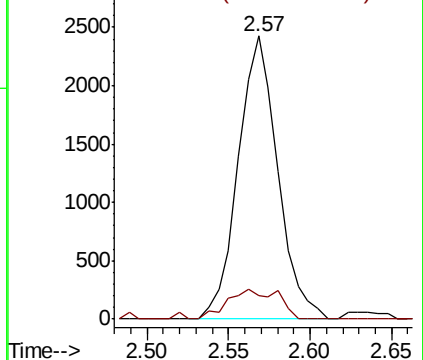
76 100

78 8.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.673 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008964.D

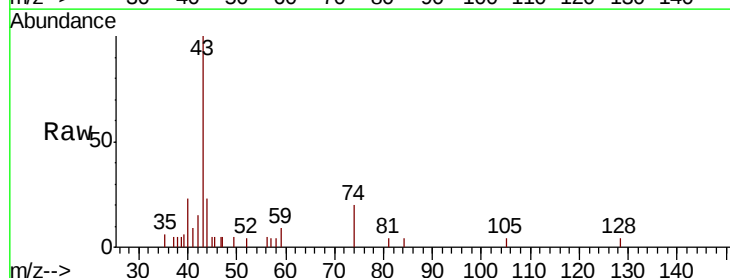
Acq: 15 Apr 2019 16:46

Tgt Ion: 43 Resp: 2718

Ion Ratio Lower Upper

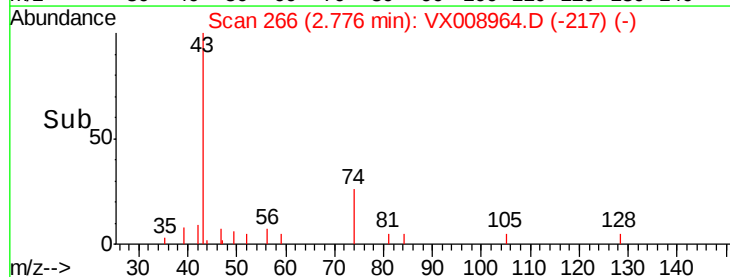
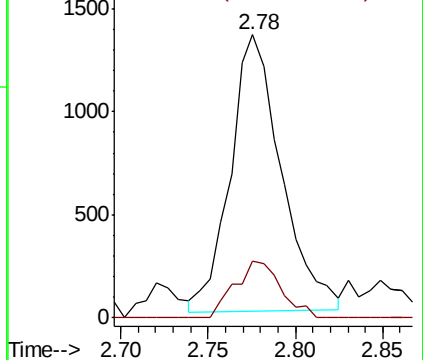
43 100

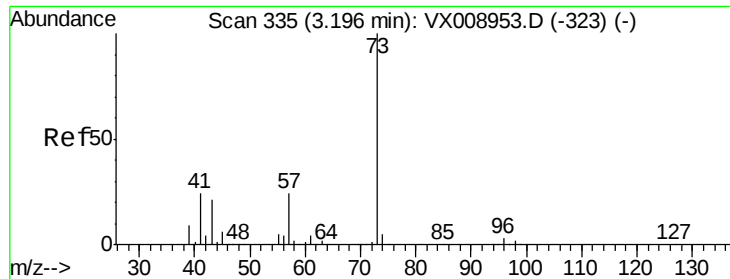
74 18.7 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

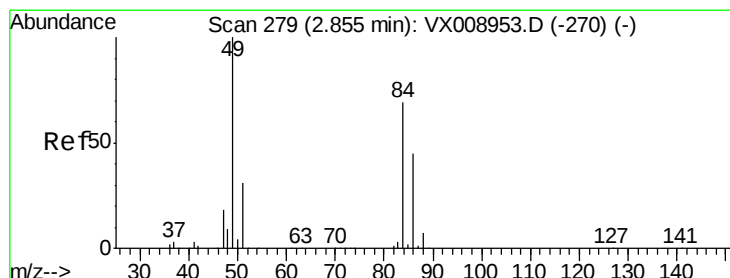
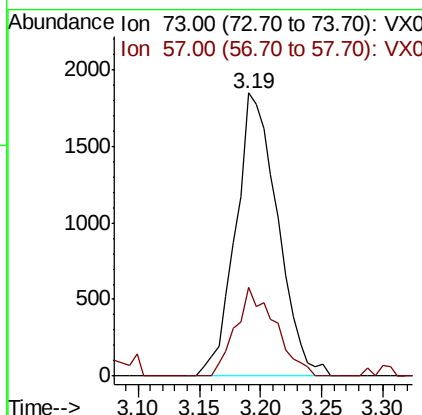
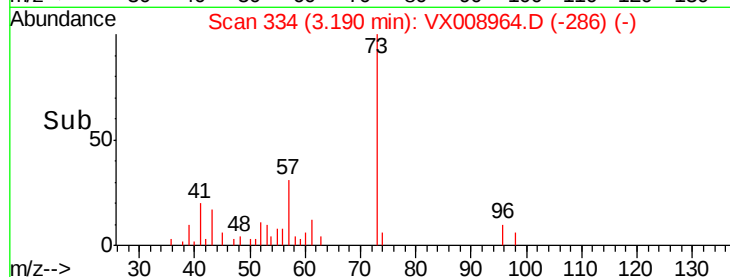
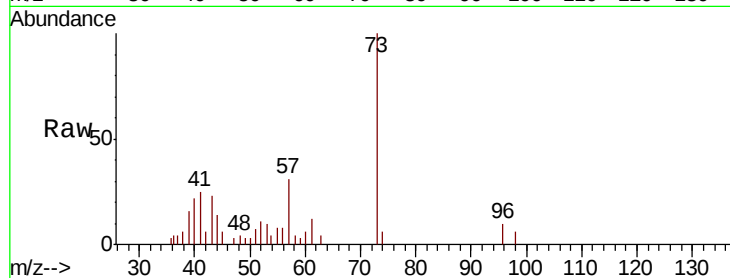




#19
Methyl tert-butyl Ether
Concen: 0.520 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

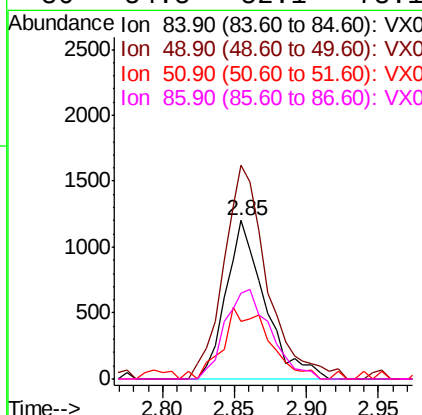
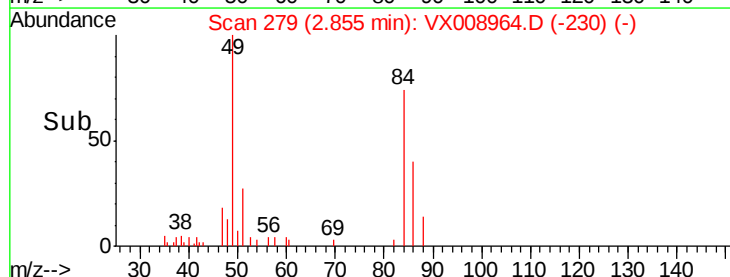
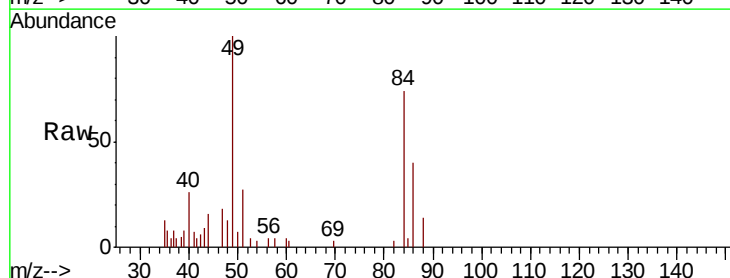
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

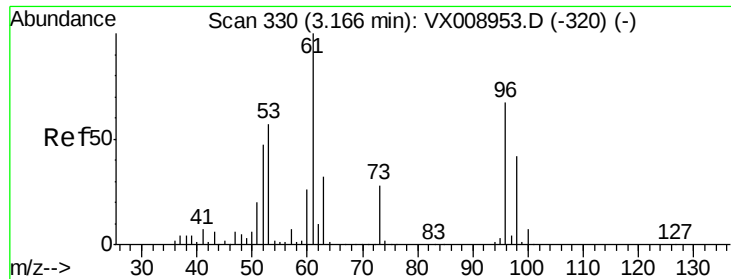
Tot Ion: 73 Resp: 4401
Ion Ratio Lower Upper
73 100
57 31.5 19.2 28.8#



#20
Methylene Chloride
Concen: 0.821 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion: 84 Resp: 2272
Ion Ratio Lower Upper
84 100
49 134.9 115.4 173.0
51 31.2 35.8 53.6#
86 54.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 0.548 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

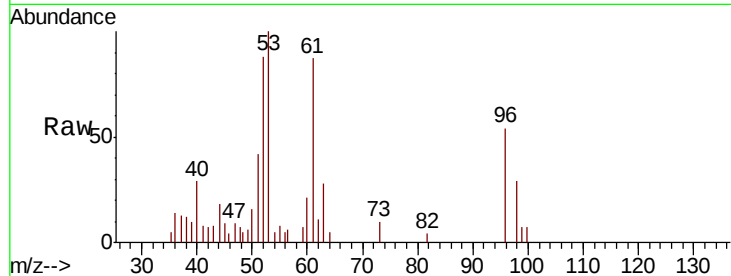
Tot Ion: 96 Resp: 1388

Ion Ratio Lower Upper

96 100

61 161.8 120.3 180.5

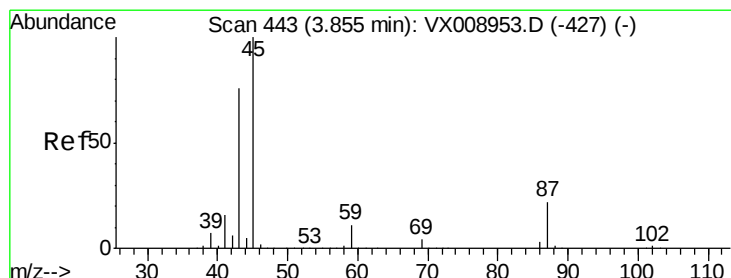
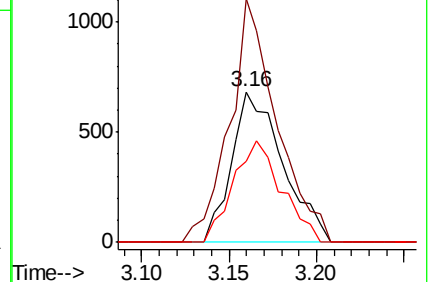
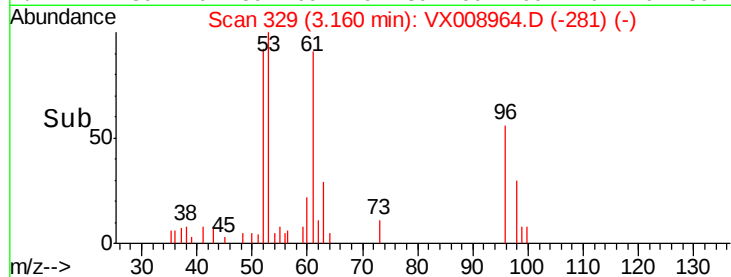
98 54.0 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 0.550 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Tgt Ion: 45 Resp: 5539

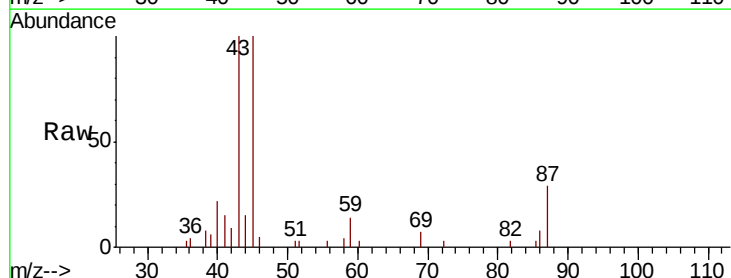
Ion Ratio Lower Upper

45 100

43 91.6 60.6 91.0#

87 30.2 17.8 26.8#

59 14.4 8.7 13.1#

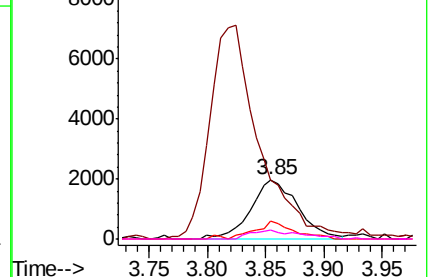
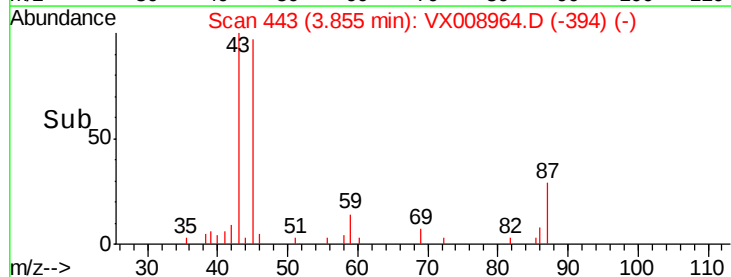


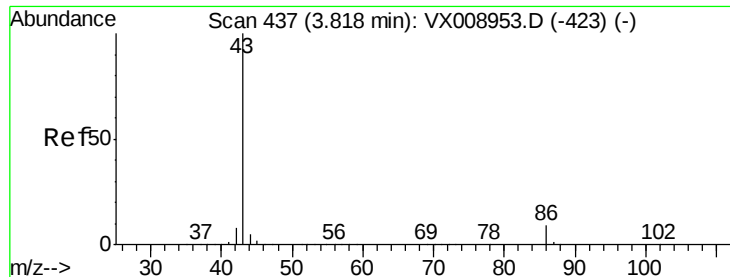
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 2.379 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

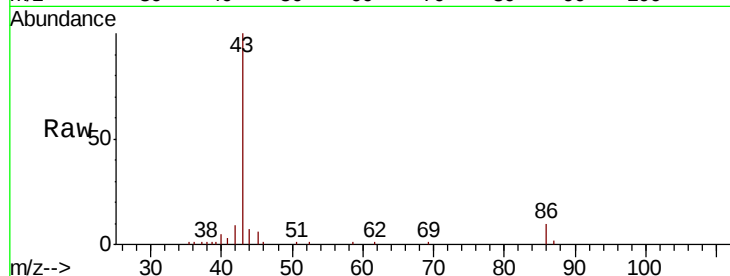
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 21044

Ion Ratio Lower Upper

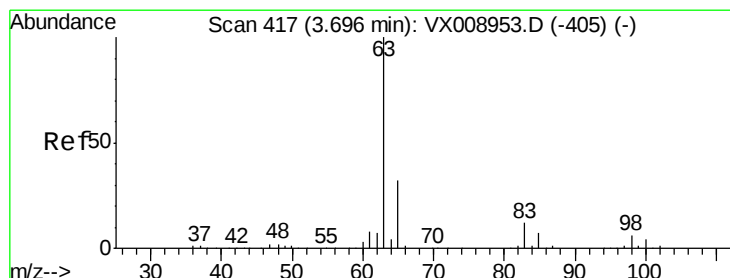
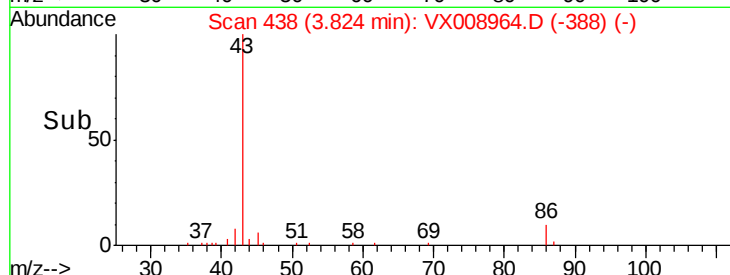
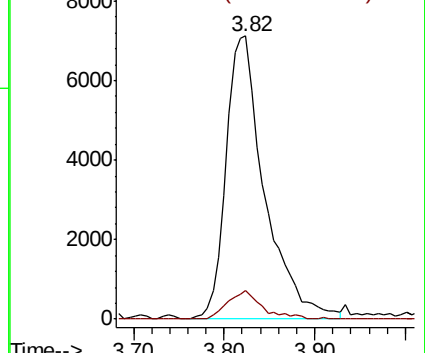
43 100

86 10.1 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.570 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

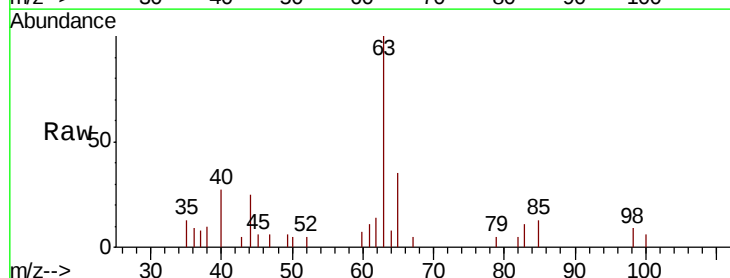
Tgt Ion: 63 Resp: 2882

Ion Ratio Lower Upper

63 100

98 9.1 3.1 9.3

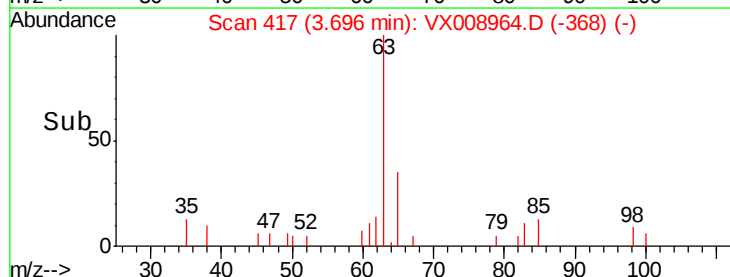
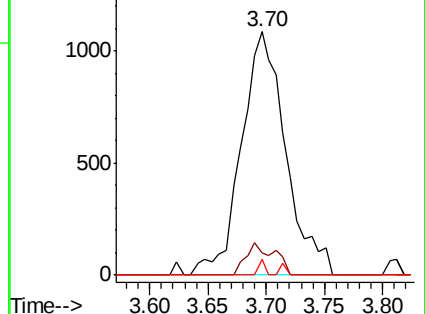
100 6.4 1.9 5.7#

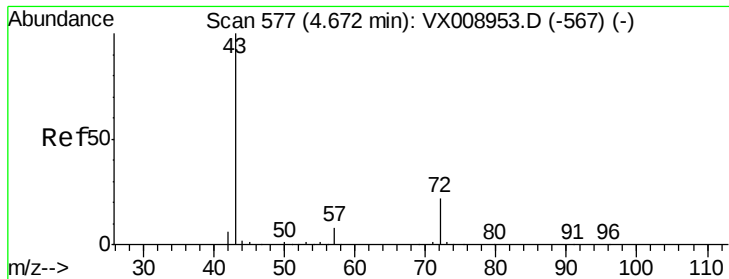


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 2.444 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

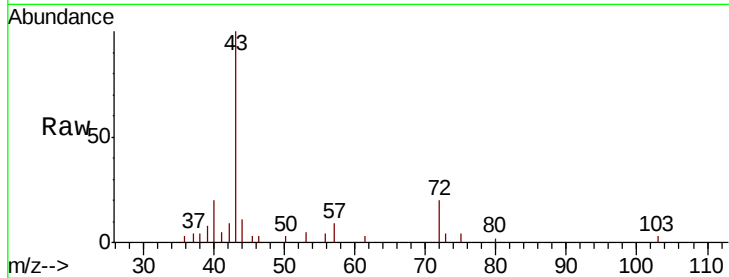
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 6319

Ion Ratio Lower Upper

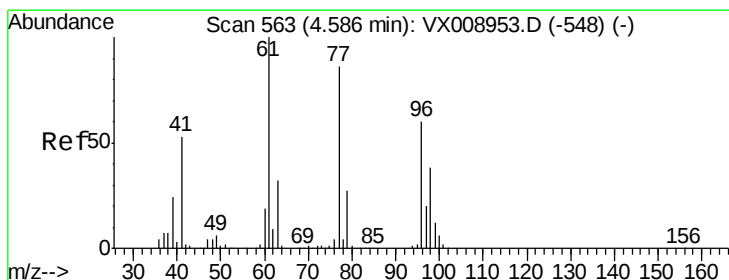
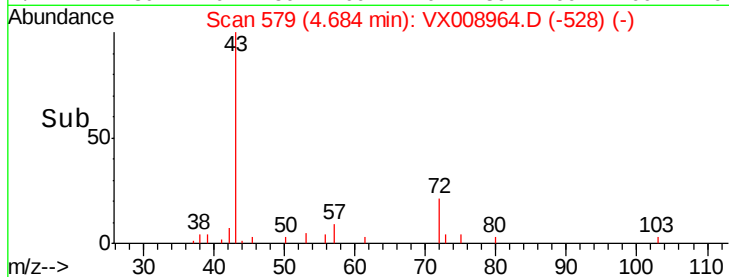
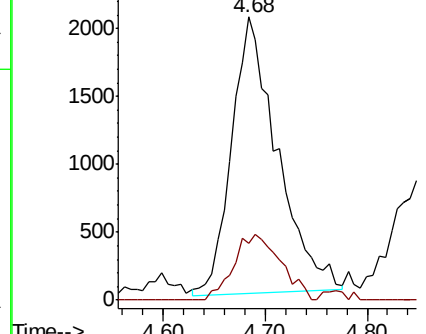
43 100

72 20.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.527 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008964.D

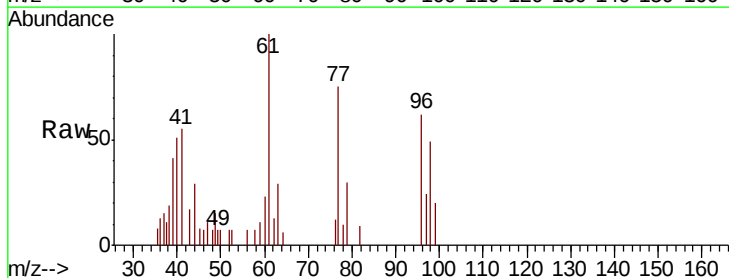
Acq: 15 Apr 2019 16:46

Tgt Ion: 77 Resp: 1995

Ion Ratio Lower Upper

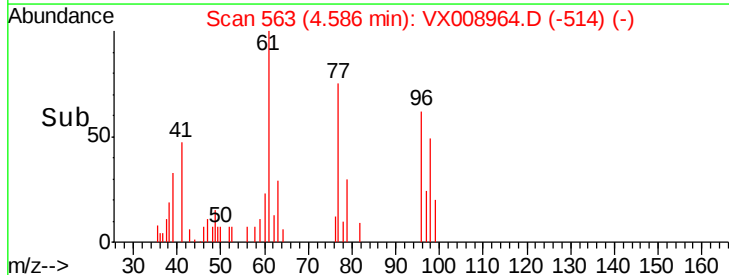
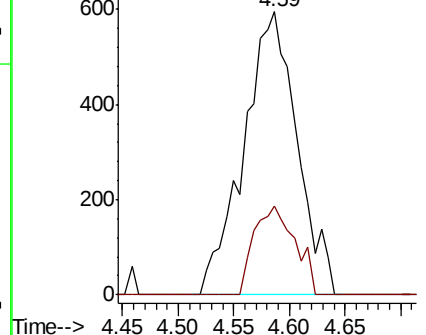
77 100

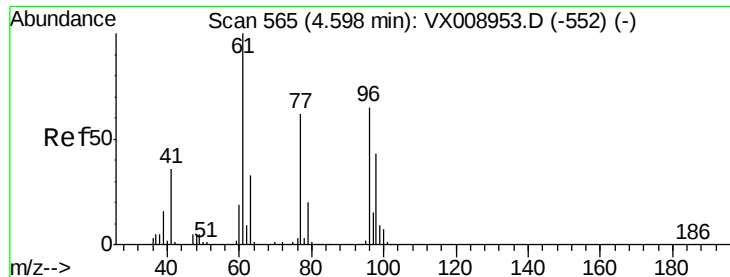
97 23.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



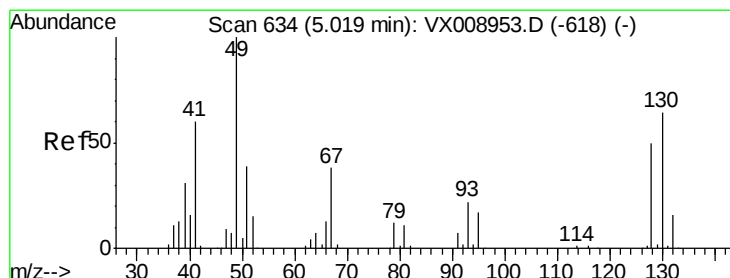
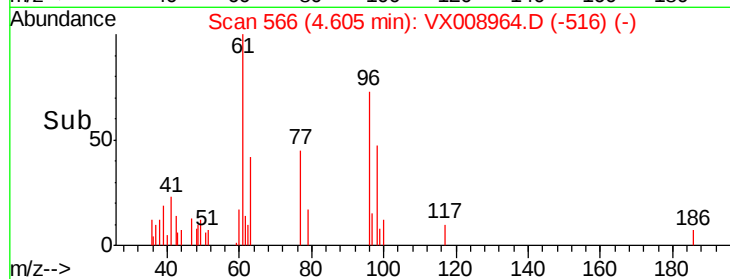
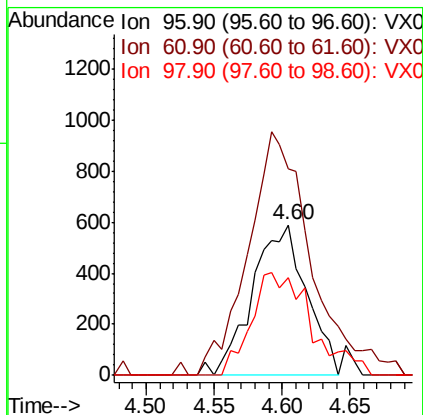
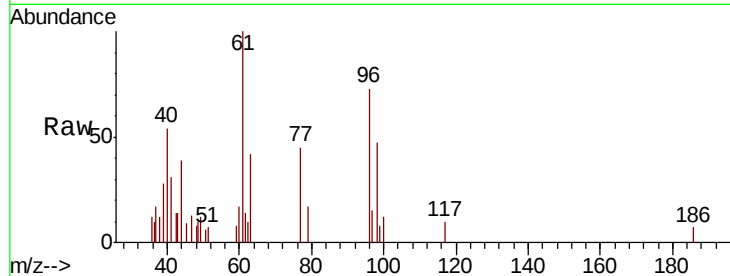


#27

cis-1,2-Dichloroethene
 Concen: 0.574 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

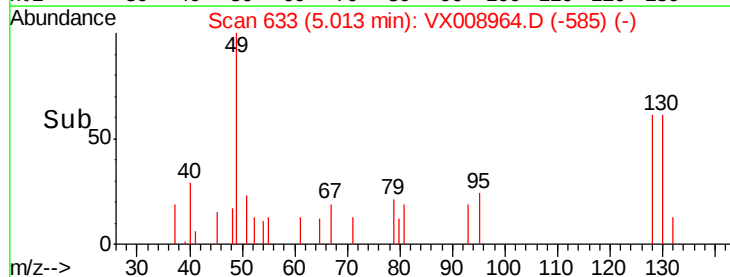
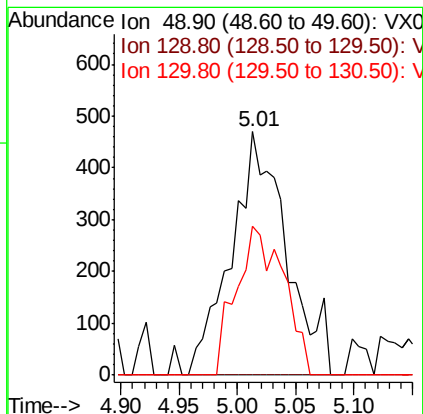
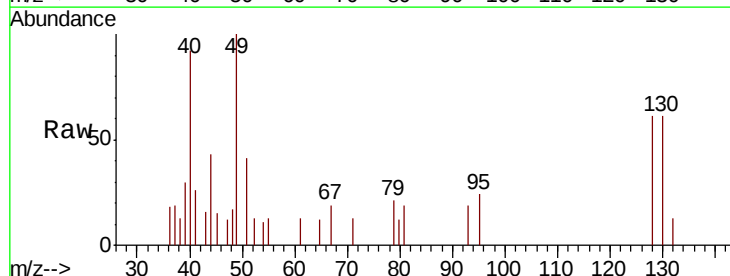
Tot Ion: 96 Resp: 1649
 Ion Ratio Lower Upper
 96 100
 61 188.2 0.0 322.0
 98 75.3 0.0 128.4

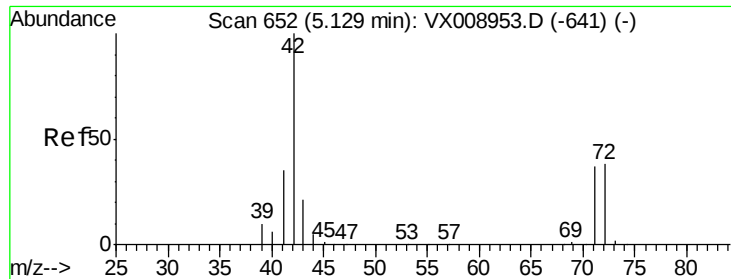


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Tgt Ion: 49 Resp: 1548
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 52.4 50.4 75.6

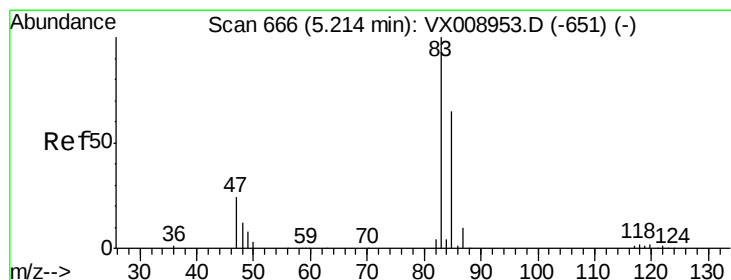
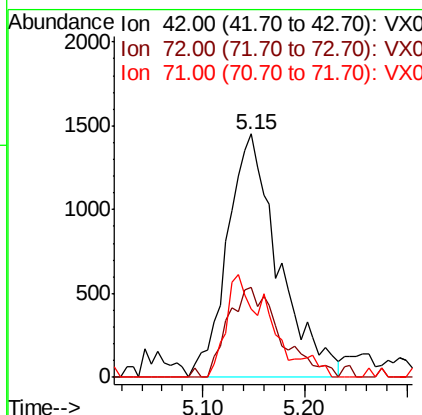
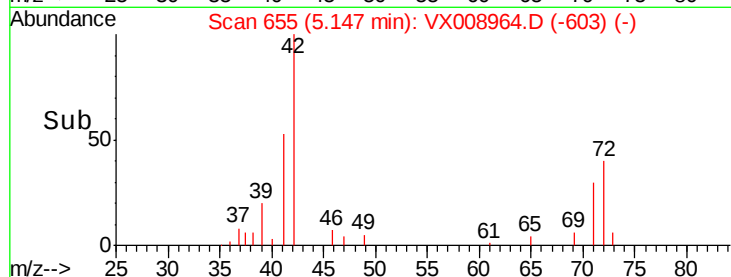
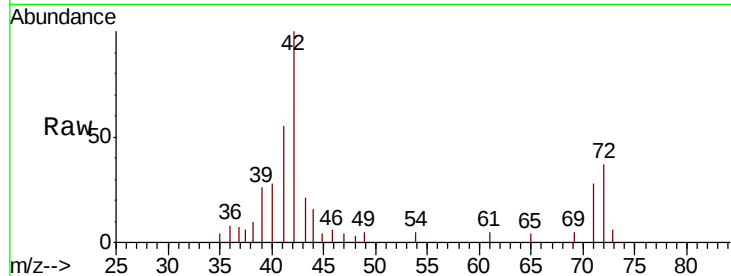




#29
Tetrahydrofuran
Concen: 2.926 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

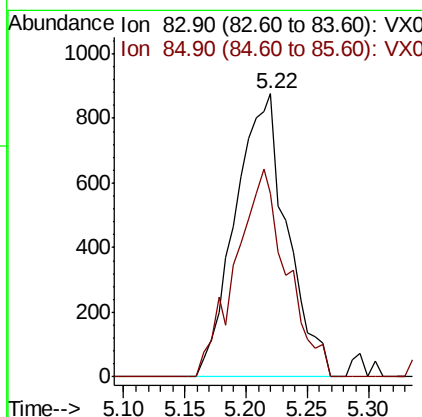
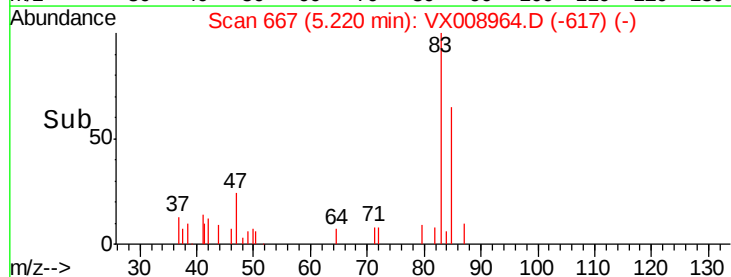
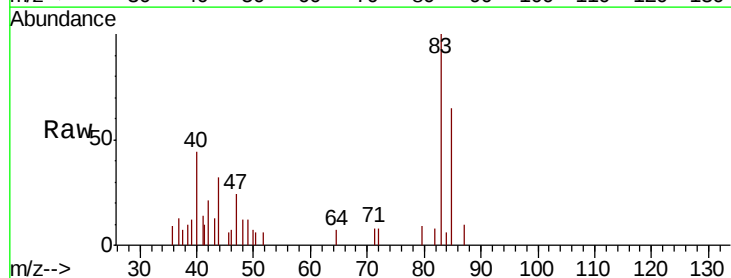
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

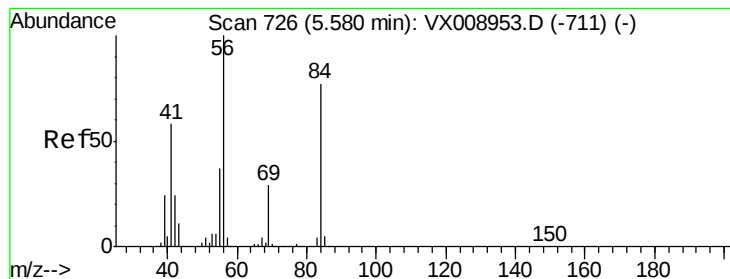
Tot Ion: 42 Resp: 5065
Ion Ratio Lower Upper
42 100
72 38.0 30.6 45.8
71 21.5 28.8 43.2#



#30
Chloroform
Concen: 0.572 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion: 83 Resp: 2587
Ion Ratio Lower Upper
83 100
85 64.8 51.9 77.9





#31

Cyclohexane

Concen: 0.540 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

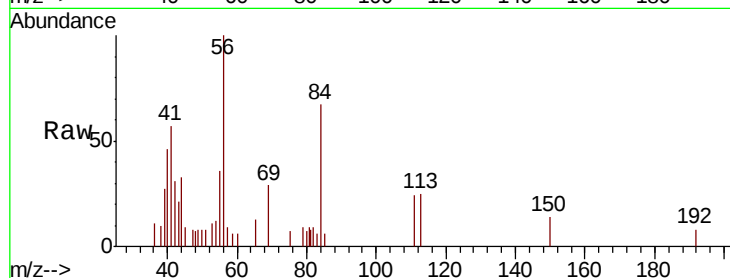
Tot Ion: 56 Resp: 2685

Ion Ratio Lower Upper

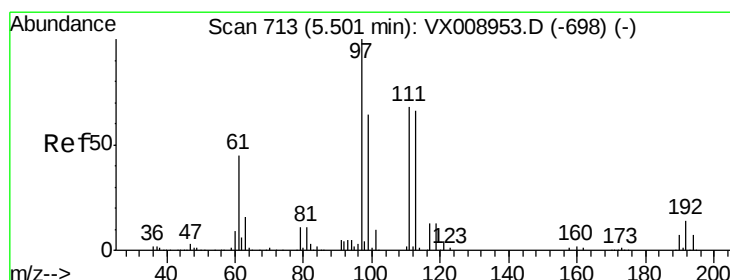
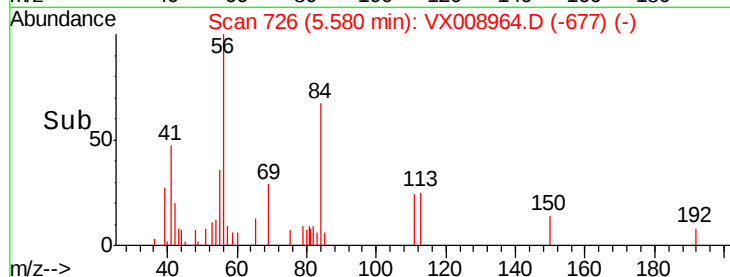
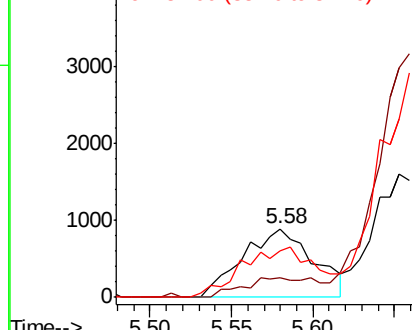
56 100

69 30.9 23.3 34.9

84 71.6 61.7 92.5



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 0.558 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

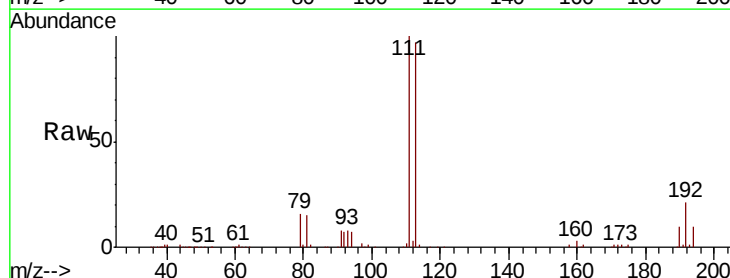
Tgt Ion: 97 Resp: 2091

Ion Ratio Lower Upper

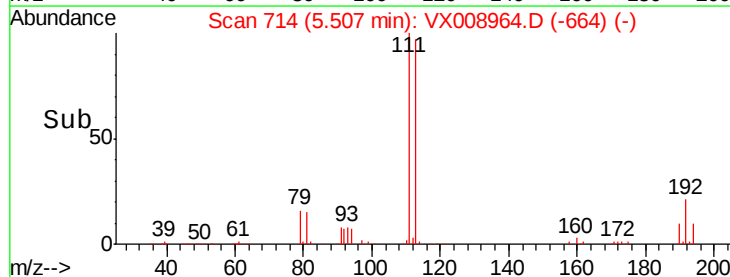
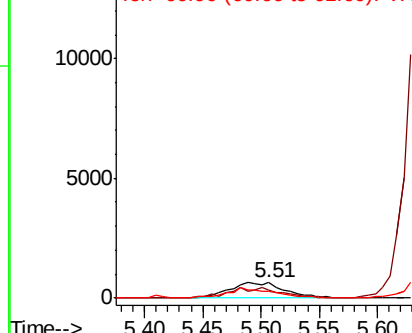
97 100

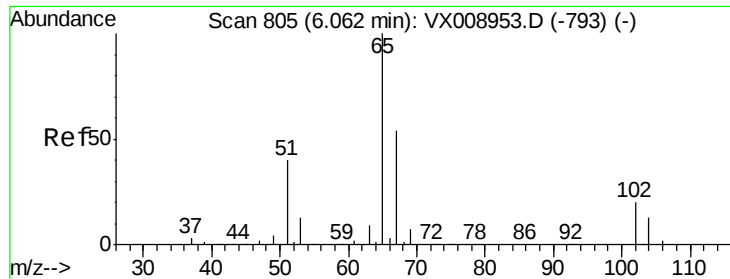
99 0.0 51.6 77.4#

61 0.0 37.9 56.9#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.527 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

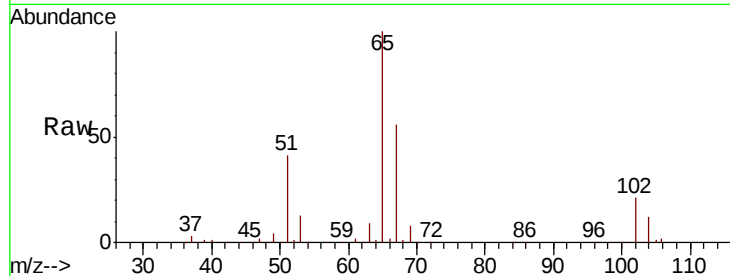
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 65 Resp: 154512

Ion Ratio Lower Upper

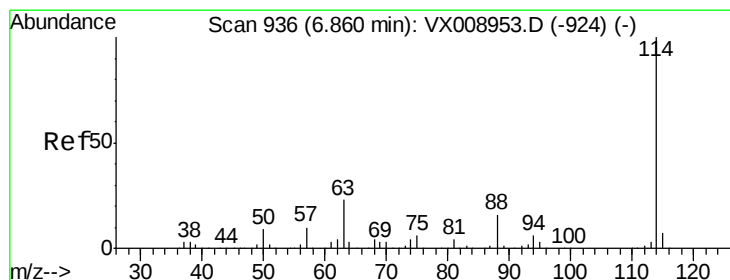
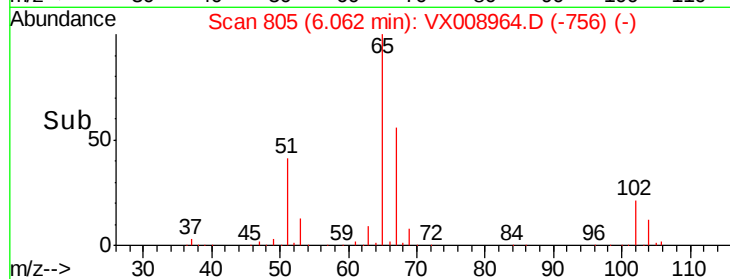
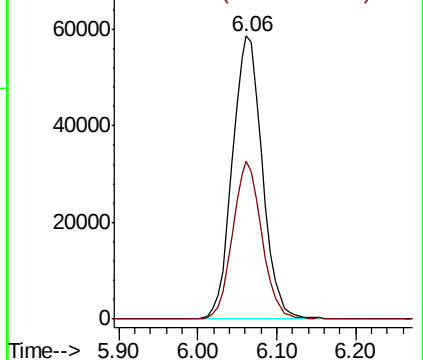
65 100

67 54.4 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

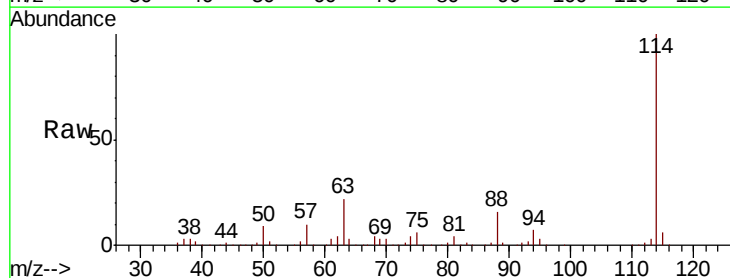
Tgt Ion: 114 Resp: 364814

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.0

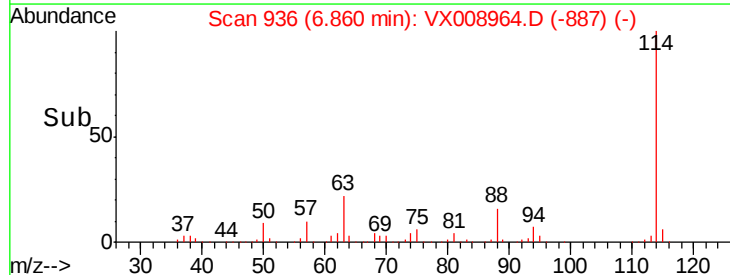
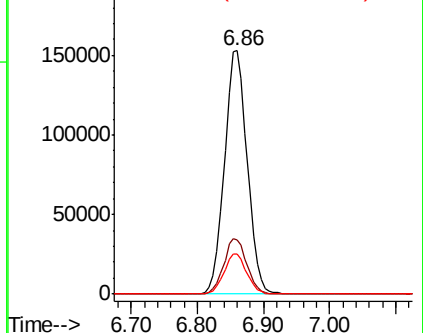
88 16.4 0.0 32.6

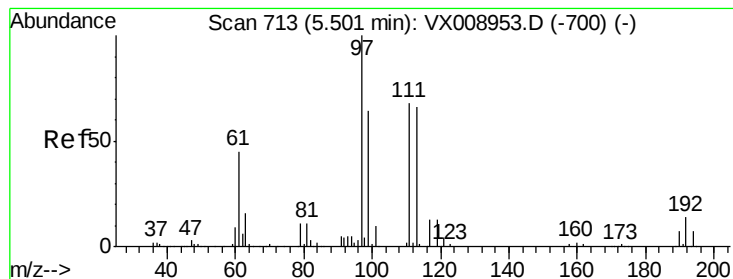


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.387 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

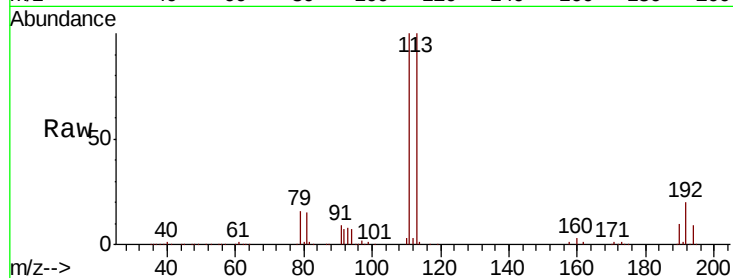
Tot Ion:113 Resp: 110947

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

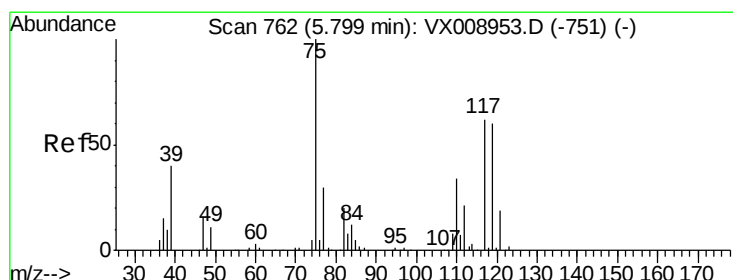
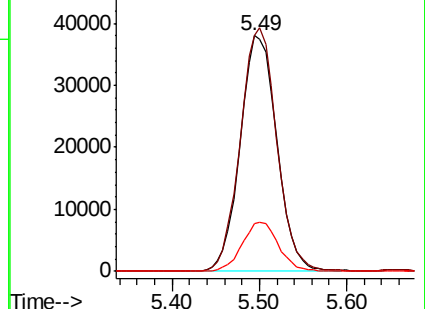
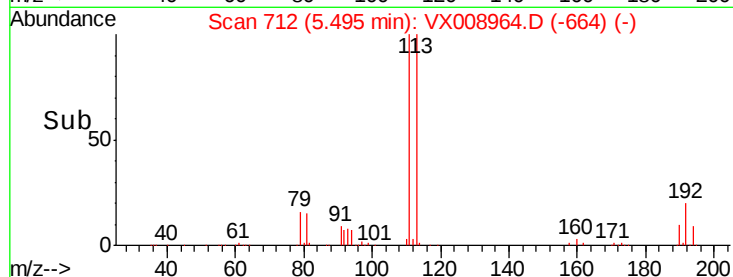
192 20.7 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.573 ug/l

RT: 5.81 min Scan# 764

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

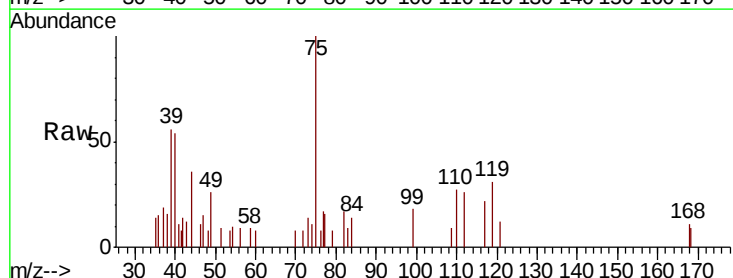
Tgt Ion: 75 Resp: 2161

Ion Ratio Lower Upper

75 100

110 34.4 16.9 50.7

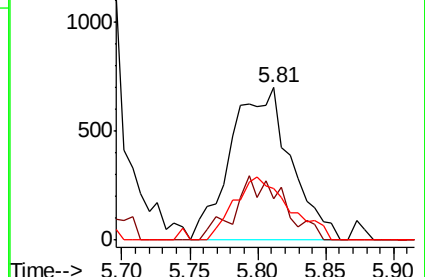
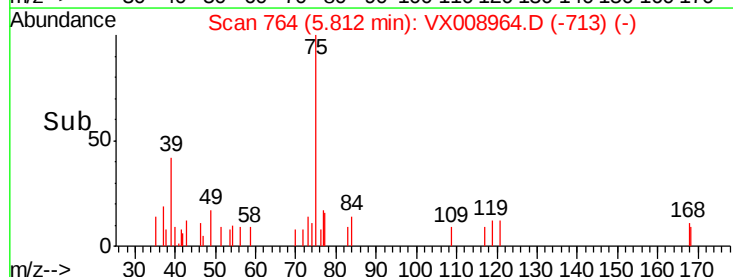
77 38.0 25.0 37.4#

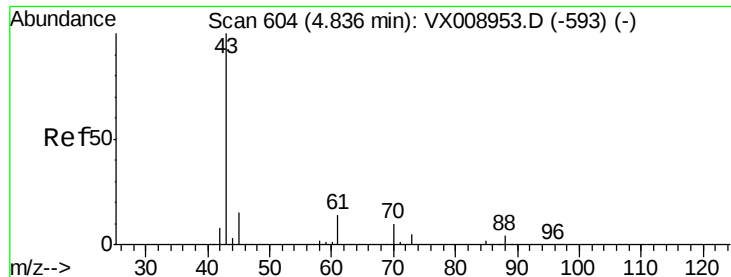


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

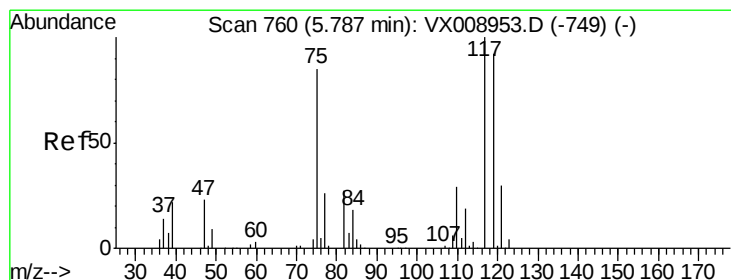
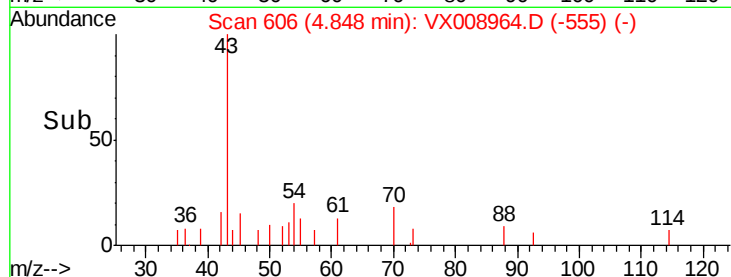
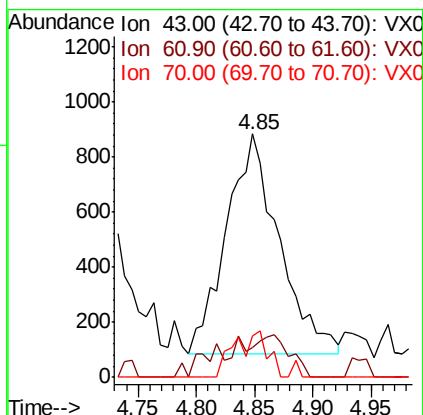
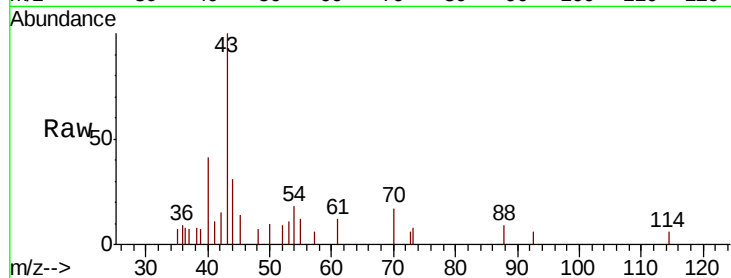




#37
Ethyl Acetate
Concen: 0.518 ug/l
RT: 4.85 min Scan# 606
Delta R.T. 0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

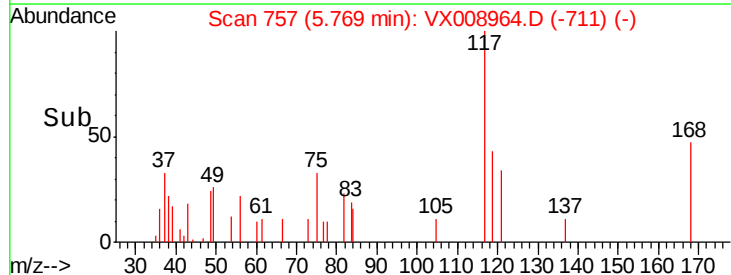
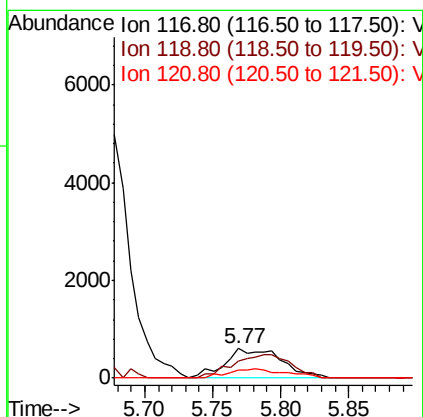
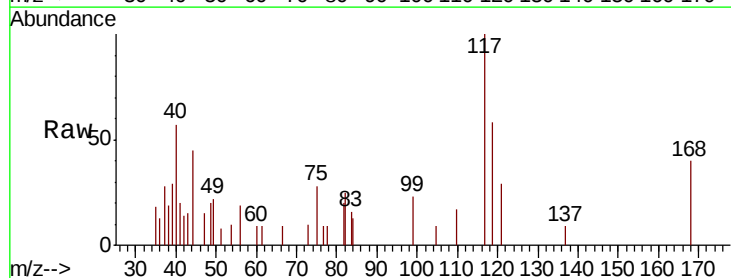
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 2517
Ion Ratio Lower Upper
43 100
61 11.2 10.6 15.8
70 7.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 0.551 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.02 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion: 117 Resp: 1764
Ion Ratio Lower Upper
117 100
119 58.5 73.8 110.8#
121 28.7 23.6 35.4

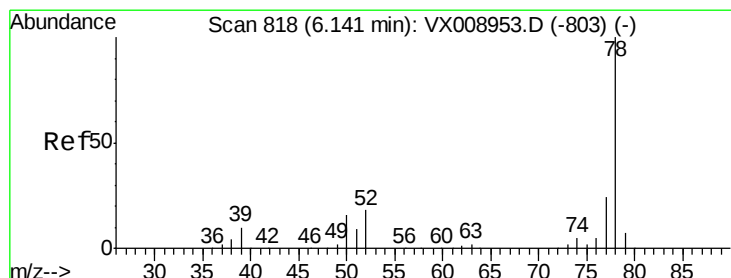
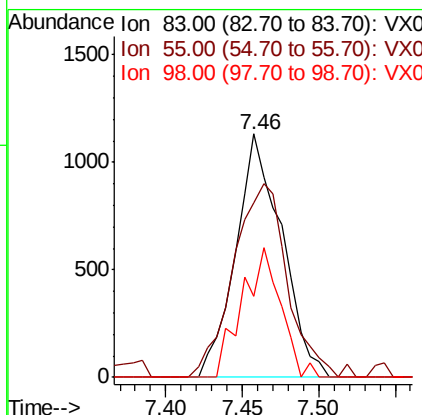
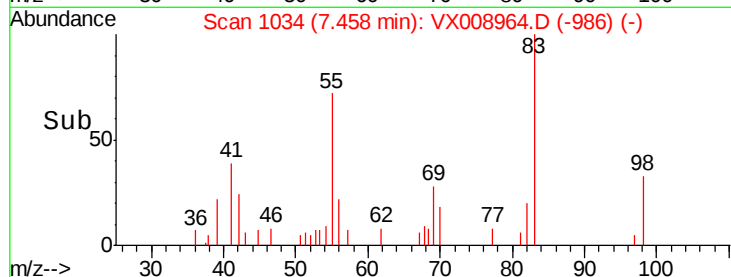
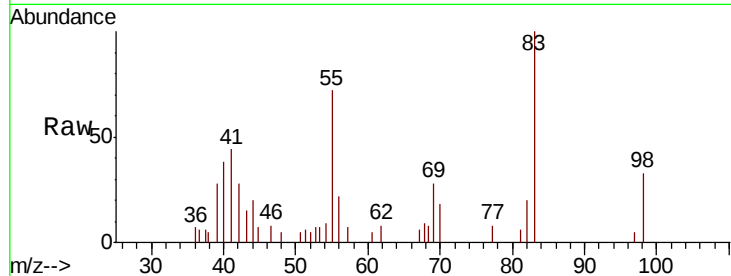




#39
Methvlcvclohexane
Concen: 0.516 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

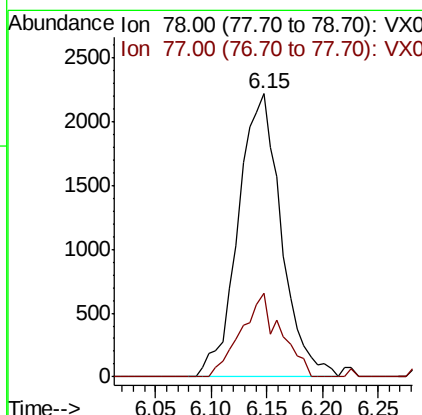
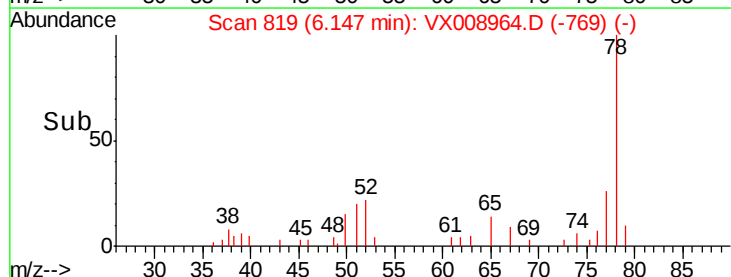
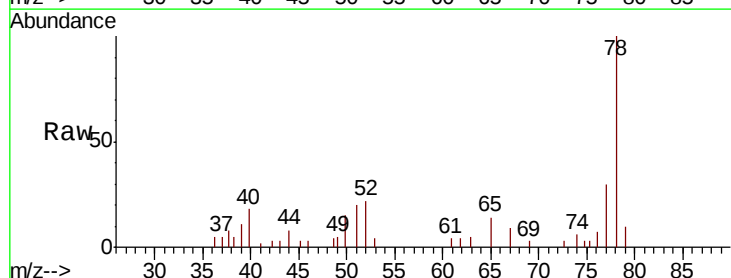
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

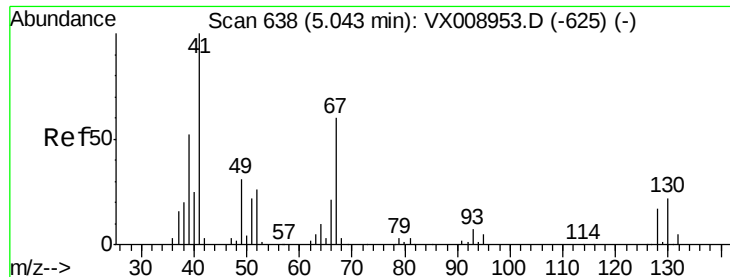
Tot Ion: 83 Resp: 2370
Ion Ratio Lower Upper
83 100
55 71.9 67.1 100.7
98 33.4 35.1 52.7#



#40
Benzene
Concen: 0.538 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion: 78 Resp: 5984
Ion Ratio Lower Upper
78 100
77 29.7 19.0 28.6#





#41

Methacrylonitrile

Concen: 0.625 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 41 Resp: 1741

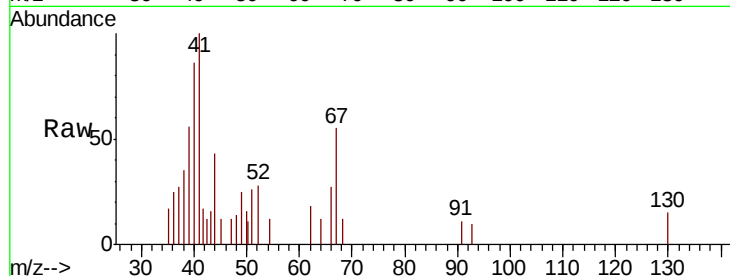
Ion Ratio Lower Upper

41 100

39 69.0 41.8 62.6#

67 35.3 50.2 75.4#

52 31.5 21.1 31.7

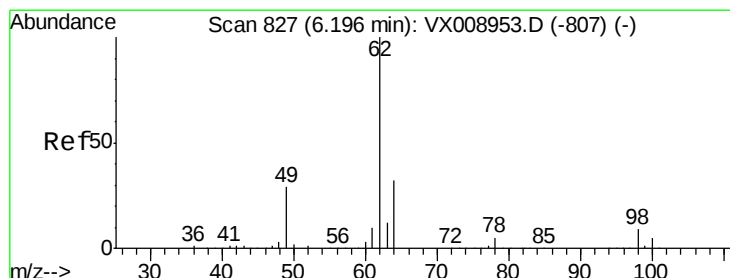
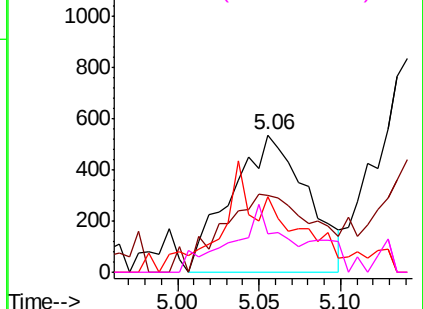
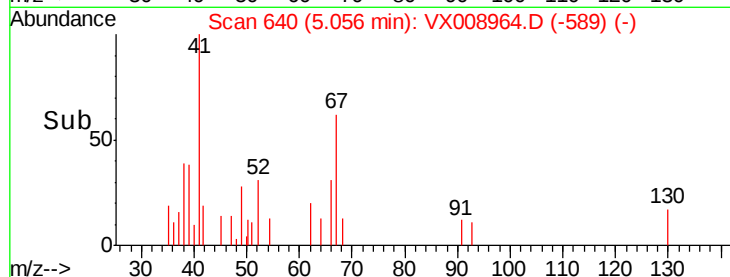


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 0.657 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX008964.D

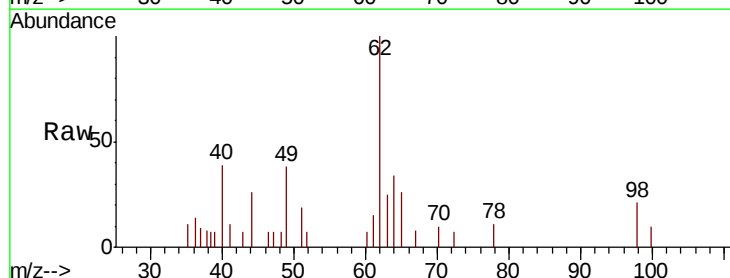
Acq: 15 Apr 2019 16:46

Tgt Ion: 62 Resp: 2591

Ion Ratio Lower Upper

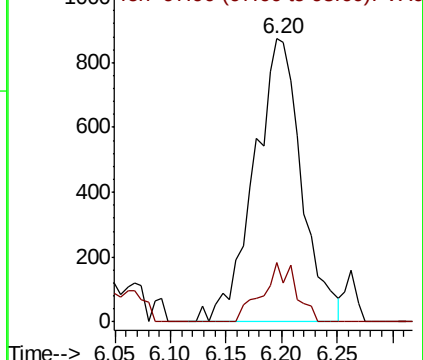
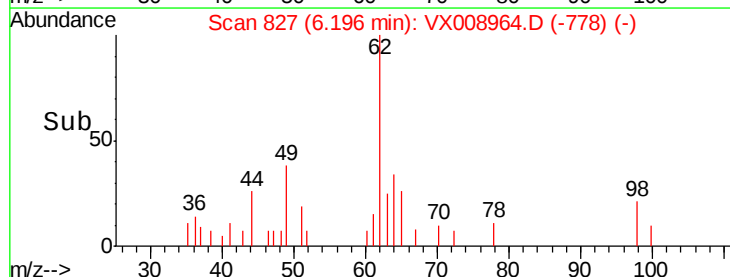
62 100

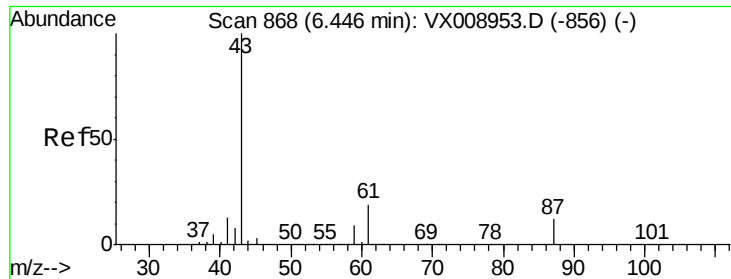
98 14.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.538 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

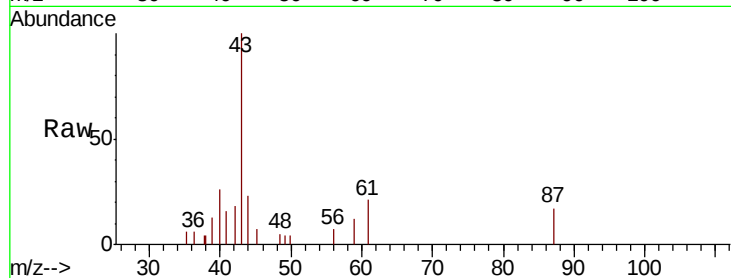
Tot Ion: 43 Resp: 4206

Ion Ratio Lower Upper

43 100

61 19.3 15.4 23.0

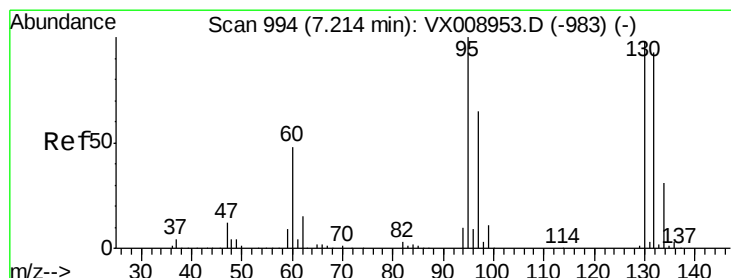
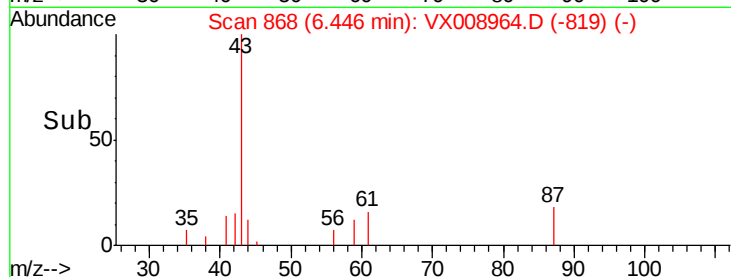
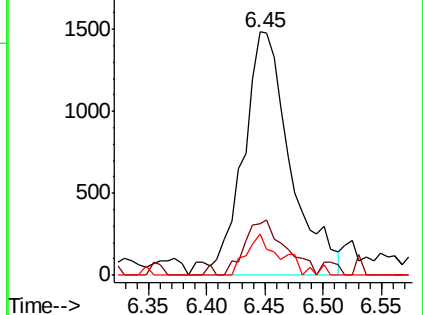
87 11.9 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.516 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008964.D

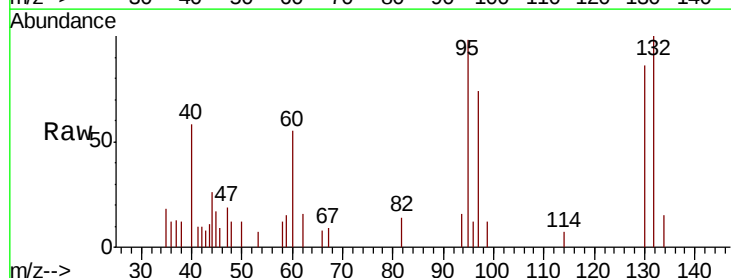
Acq: 15 Apr 2019 16:46

Tgt Ion:130 Resp: 1408

Ion Ratio Lower Upper

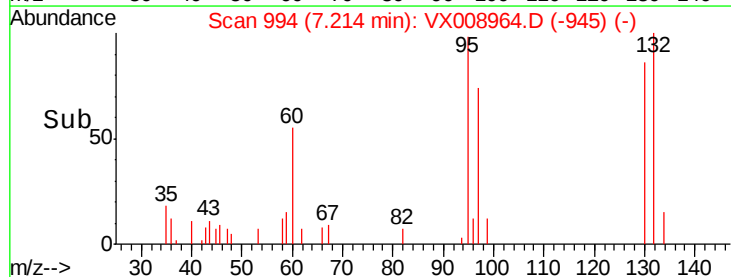
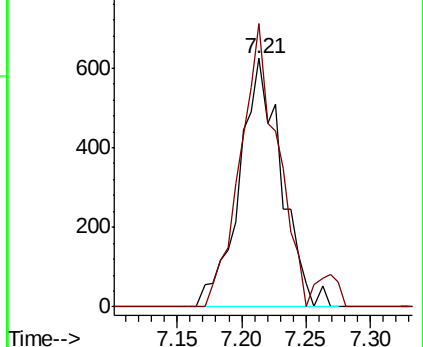
130 100

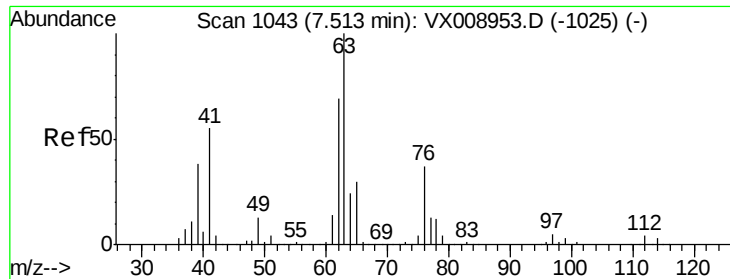
95 113.9 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 0.570 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

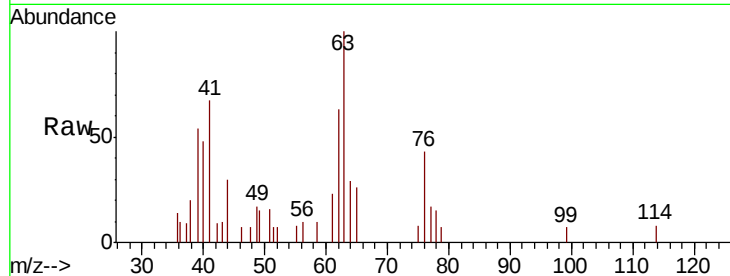
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 63 Resp: 1760

Ion Ratio Lower Upper

63 100

65 26.0 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

800

600

400

200

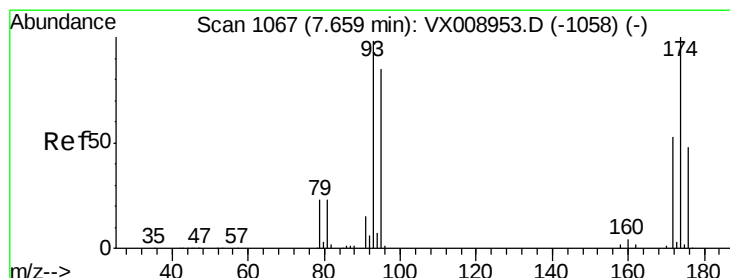
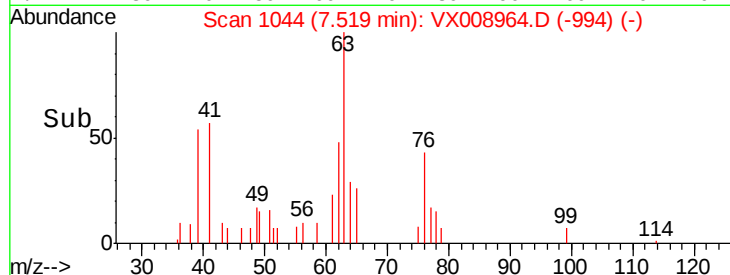
0

7.45

7.50

7.55

Time-->



#46

Dibromomethane

Concen: 0.516 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

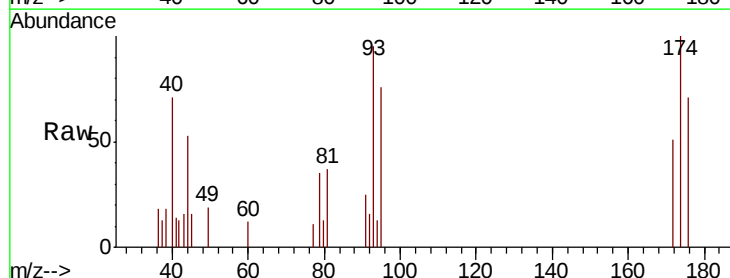
Tgt Ion: 93 Resp: 927

Ion Ratio Lower Upper

93 100

95 85.3 67.0 100.4

174 105.6 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

600

500

400

300

200

100

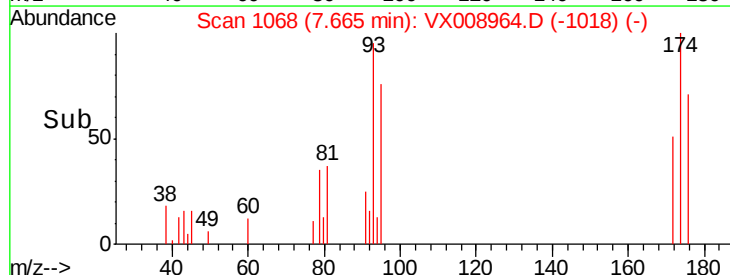
0

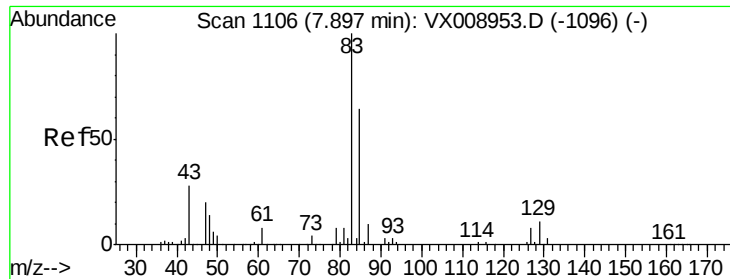
7.60

7.65

7.70

Time-->





#47

Bromodichloromethane

Concen: 0.535 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

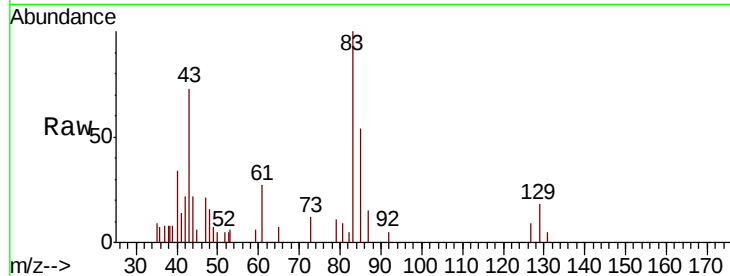
Tot Ion: 83 Resp: 1884

Ion Ratio Lower Upper

83 100

85 54.3 50.8 76.2

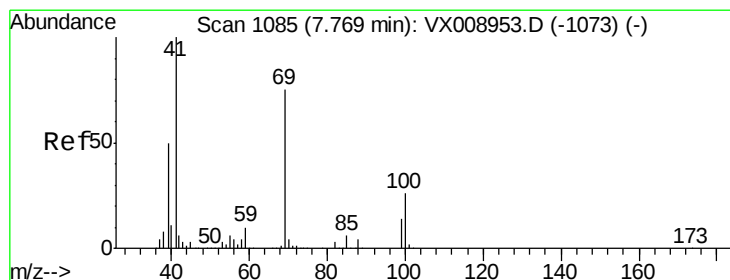
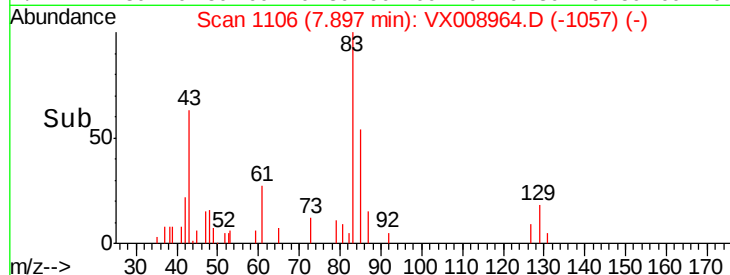
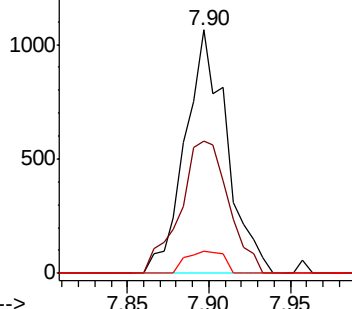
127 9.0 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.607 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

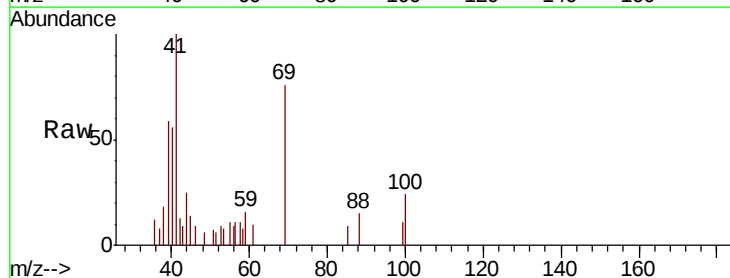
Tgt Ion: 41 Resp: 2348

Ion Ratio Lower Upper

41 100

69 60.3 59.4 89.2

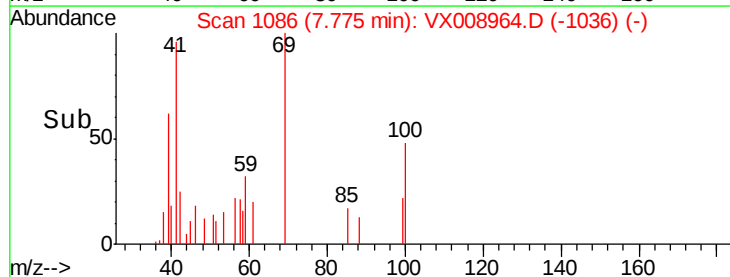
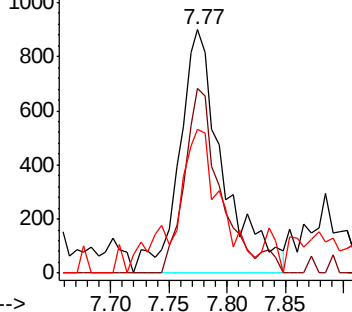
39 60.9 39.8 59.6#

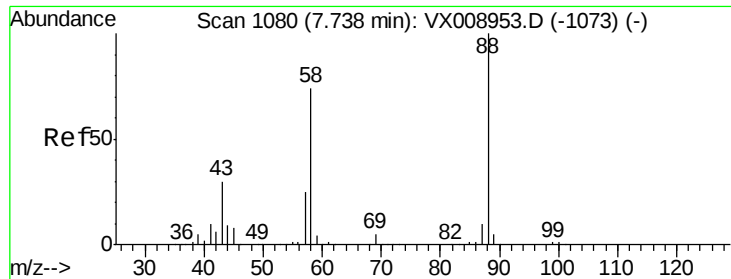


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

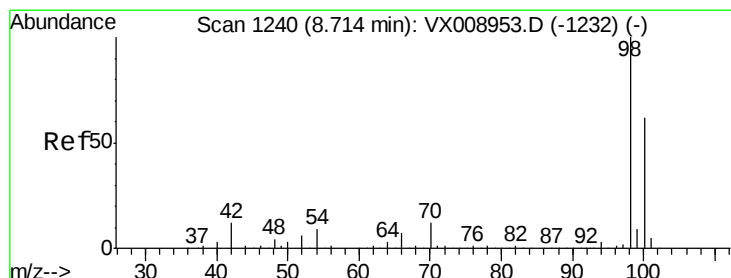
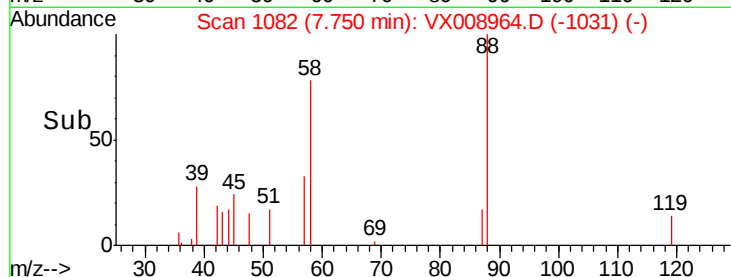
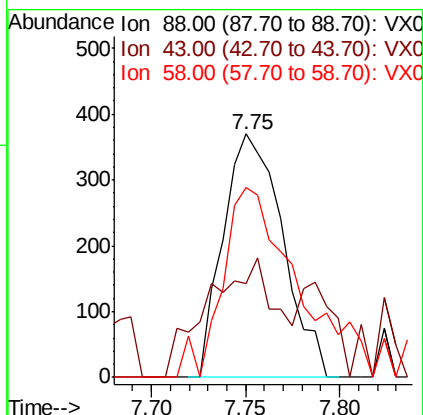
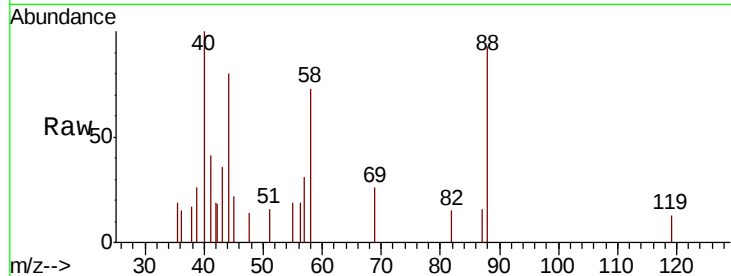




#49
 1,4-Dioxane
 Concen: 11.153 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

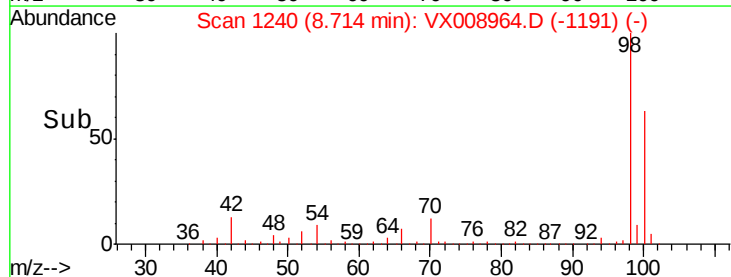
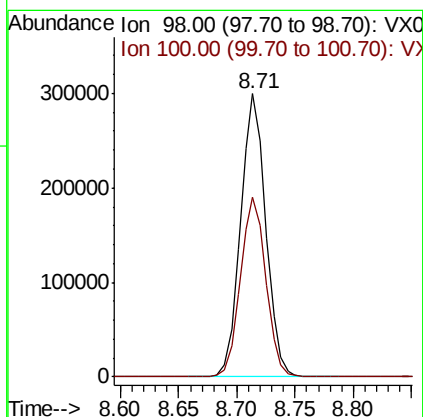
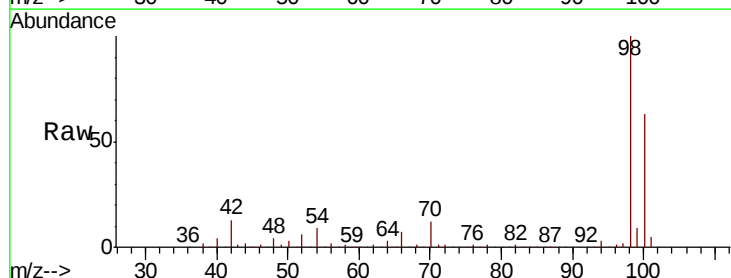
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

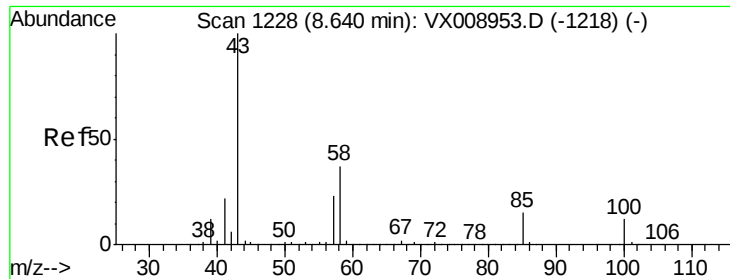
Tot Ion: 88 Resp: 807
 Ion Ratio Lower Upper
 88 100
 43 57.0 29.3 43.9#
 58 98.9 62.6 93.8#



#50
 Toluene-d8
 Concen: 48.470 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Tgt Ion: 98 Resp: 452573
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 2.453 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

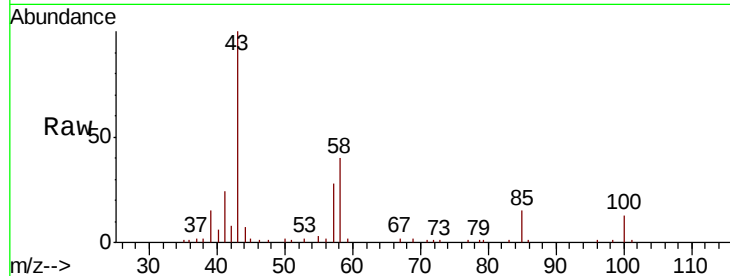
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 12225

Ion Ratio Lower Upper

43 100

58 36.9 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX008953.D (-1218) (-)

Ion 58.00 (57.70 to 58.70): VX008953.D (-1218) (-)

8.64

6000

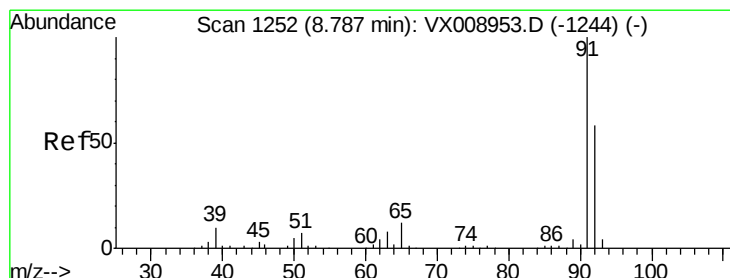
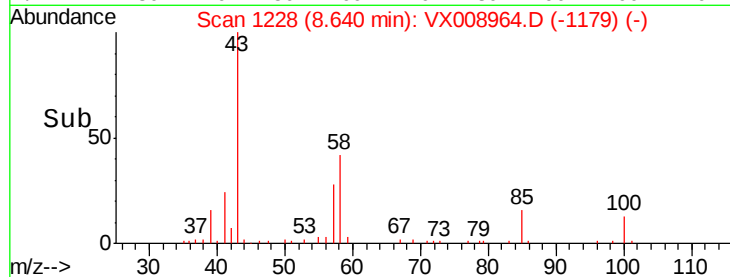
4000

2000

0

8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 0.507 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008964.D

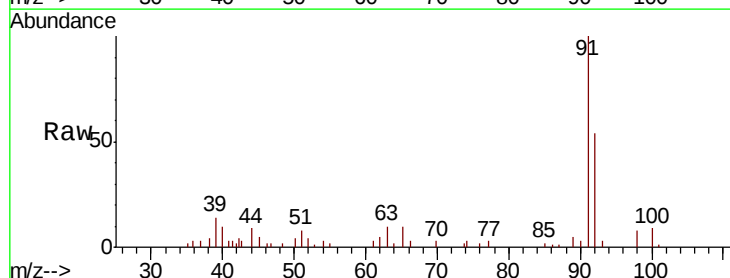
Acq: 15 Apr 2019 16:46

Tgt Ion: 92 Resp: 3381

Ion Ratio Lower Upper

92 100

91 187.0 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX008953.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX008953.D (-1244) (-)

8.79

4000

3000

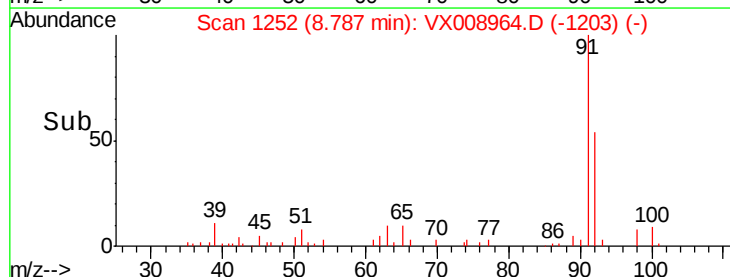
2000

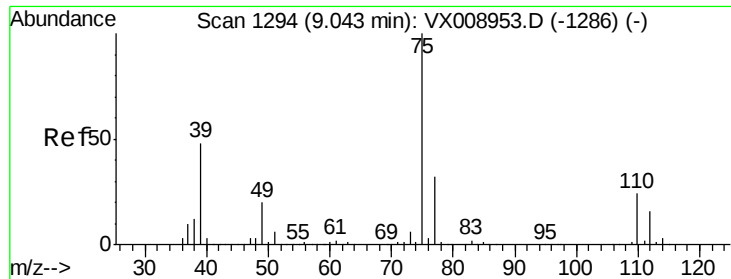
1000

0

8.75 8.80 8.85

Time-->

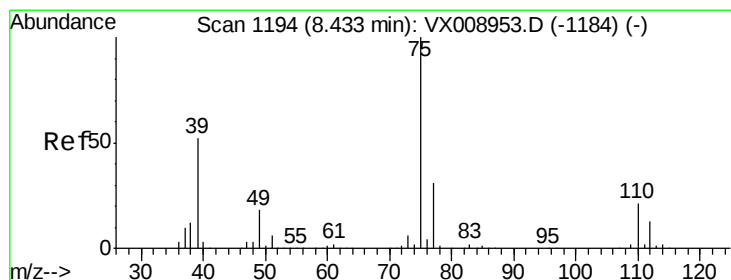
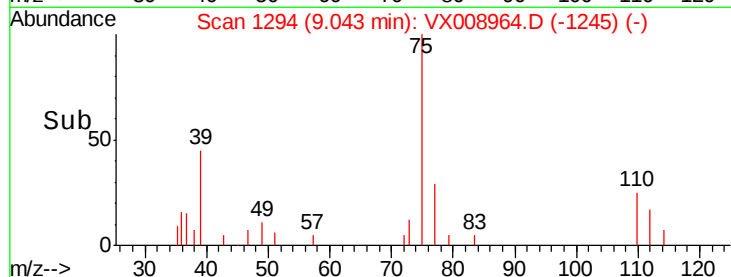
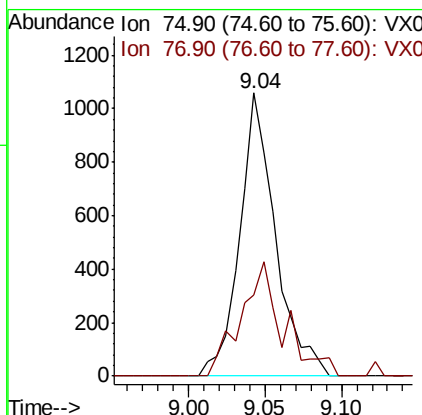
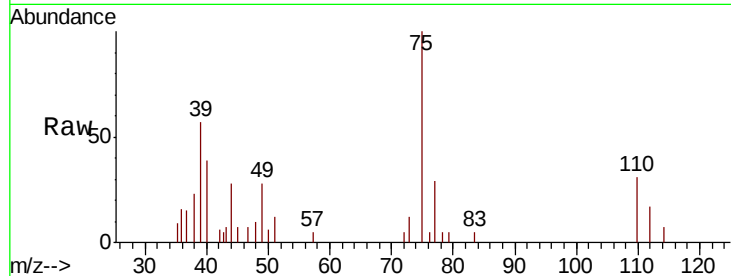




#53
 t-1,3-Dichloropropene
 Concen: 0.424 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

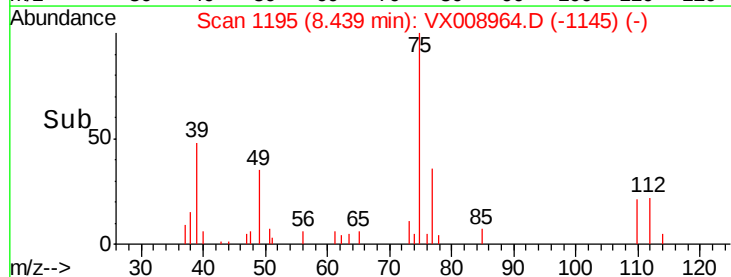
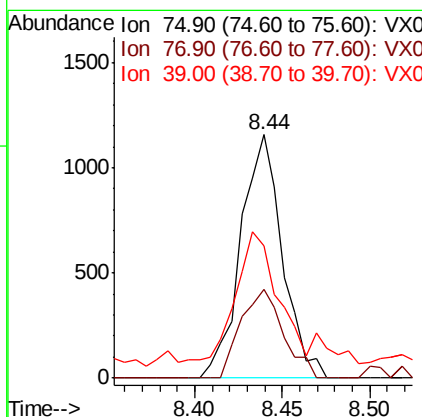
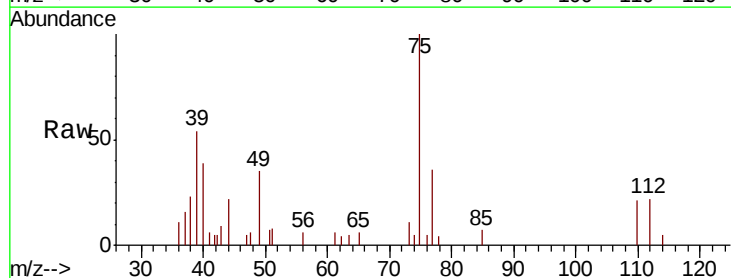
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion: 75 Resp: 1720
 Ion Ratio Lower Upper
 75 100
 77 28.7 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 0.423 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Tgt Ion: 75 Resp: 1923
 Ion Ratio Lower Upper
 75 100
 77 36.3 24.8 37.2
 39 46.9 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 0.497 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 97 Resp: 1315

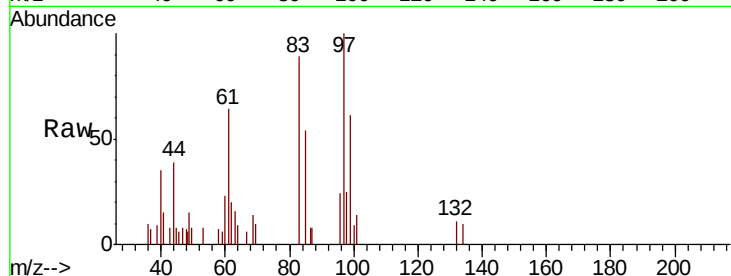
Ion	Ratio	Lower	Upper
97	100		
83	88.9	72.6	108.8
85	54.4	46.9	70.3
99	61.1	51.0	76.6

97 100

83 88.9 72.6 108.8

85 54.4 46.9 70.3

99 61.1 51.0 76.6



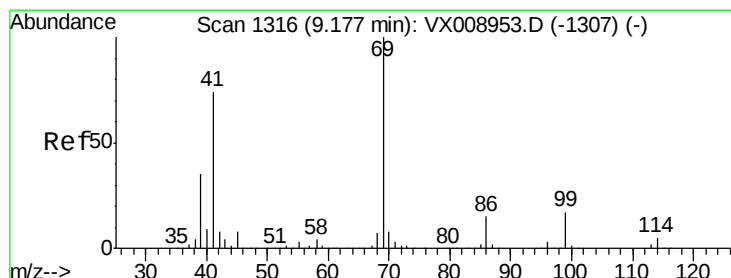
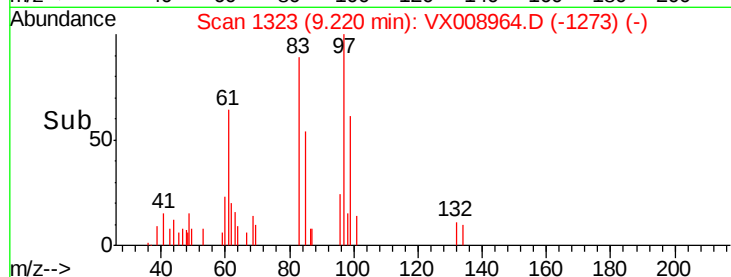
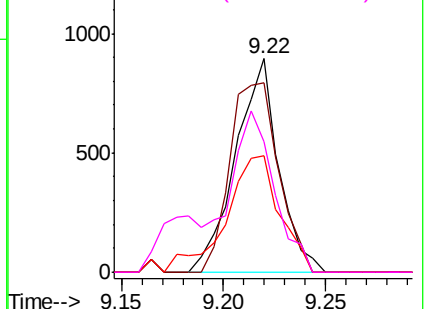
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 0.471 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

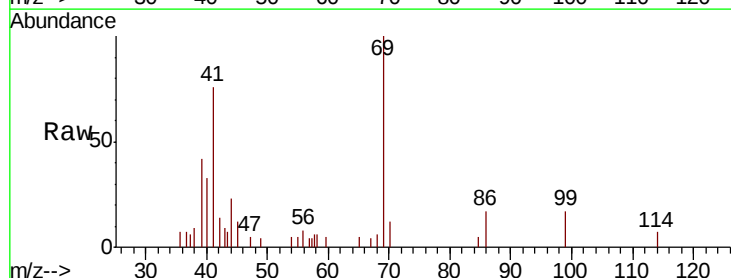
Tgt Ion: 69 Resp: 2235

Ion	Ratio	Lower	Upper
69	100		
41	79.5	60.2	90.2
39	38.6	27.9	41.9

69 100

41 79.5 60.2 90.2

39 38.6 27.9 41.9

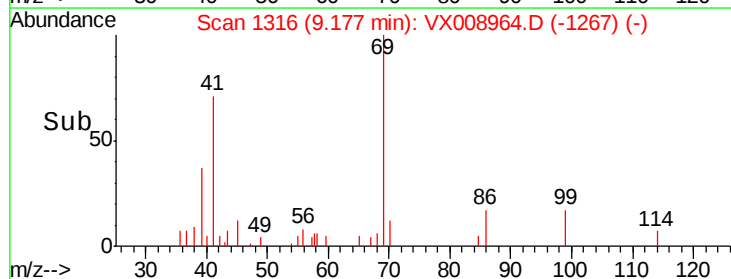
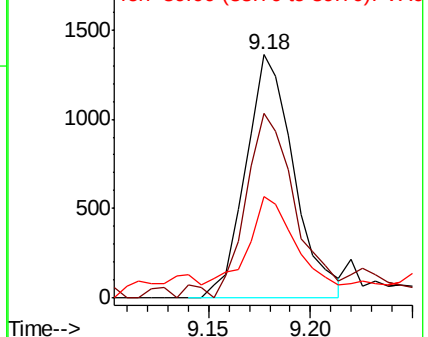


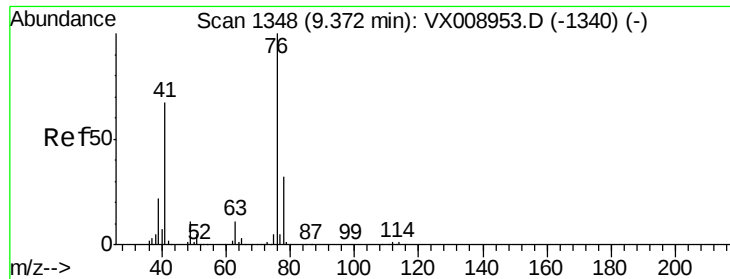
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 0.534 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

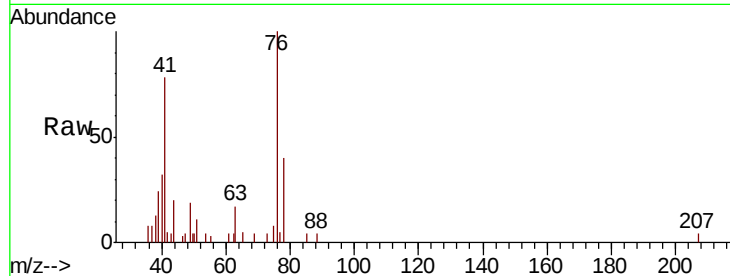
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 76 Resp: 2514

Ion Ratio Lower Upper

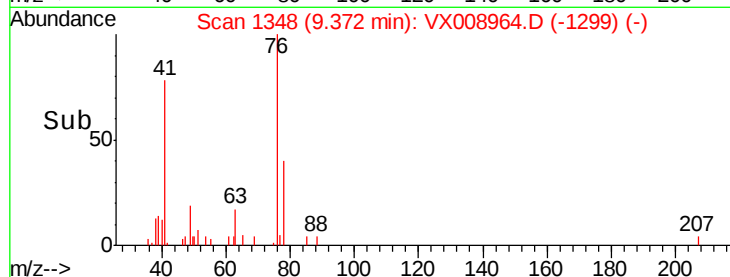
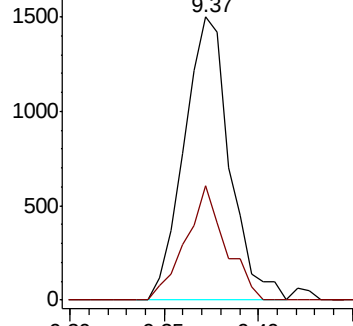
76 100

78 35.3 25.7 38.5

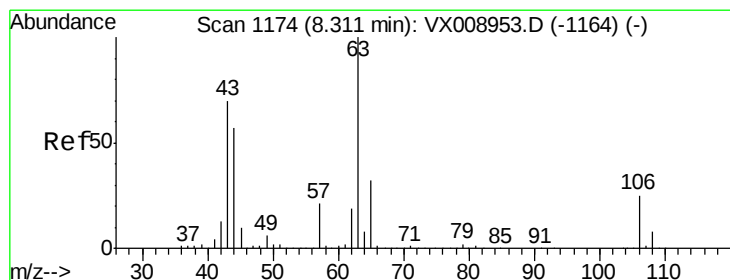


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 9.30 9.35 9.40



#58

2-Chloroethyl Vinyl ether

Concen: 2.272 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008964.D

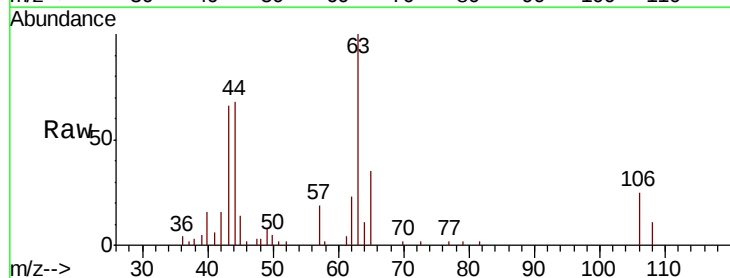
Acq: 15 Apr 2019 16:46

Tgt Ion: 63 Resp: 5799

Ion Ratio Lower Upper

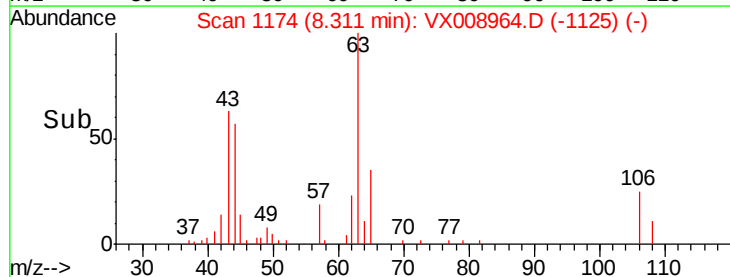
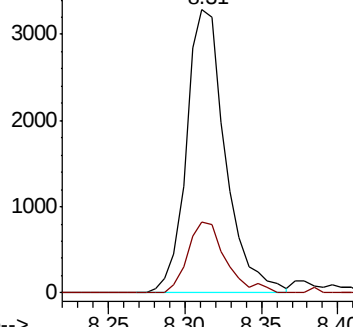
63 100

106 24.4 19.8 29.6

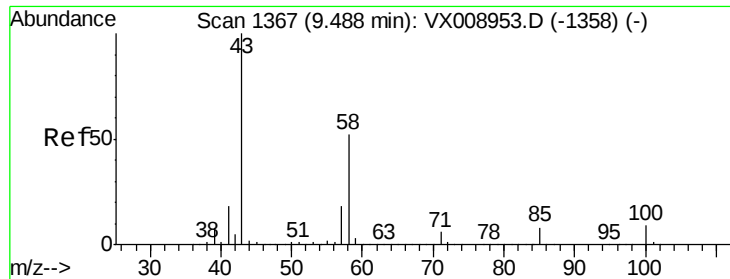


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



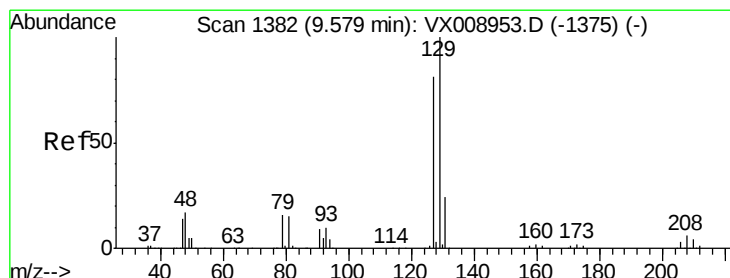
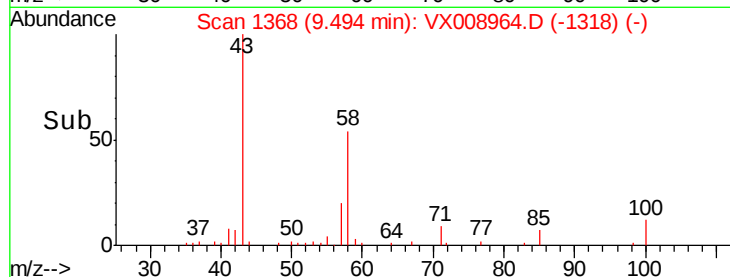
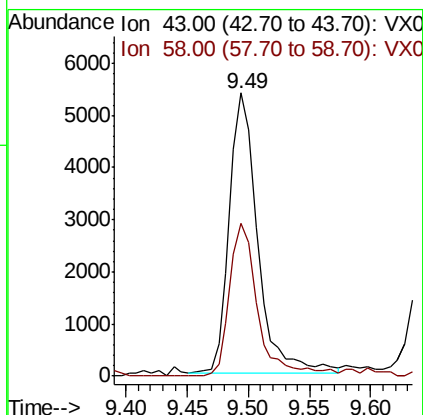
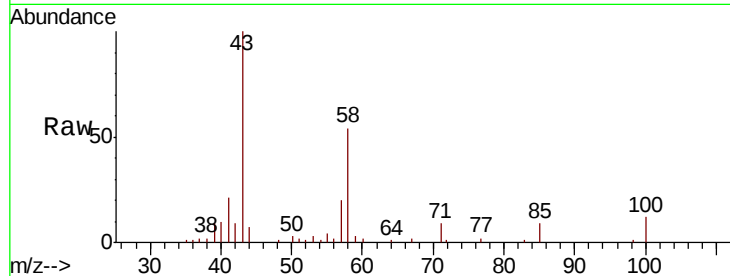
Time--> 8.25 8.30 8.35 8.40



#59
2-Hexanone
Concen: 2.235 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

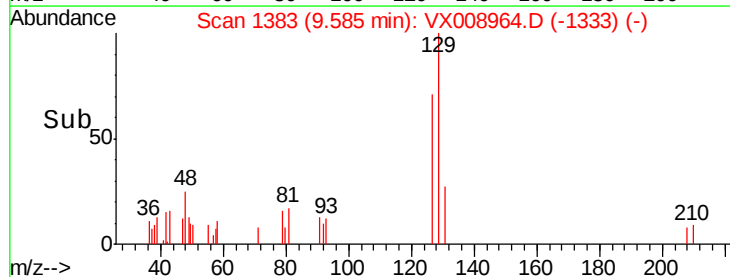
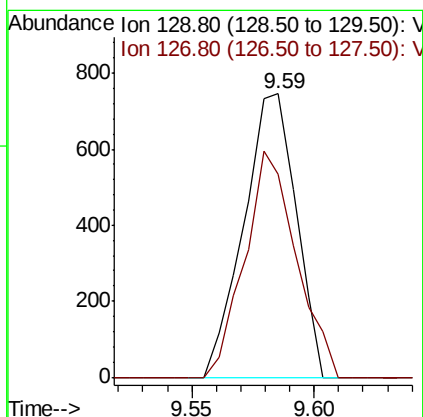
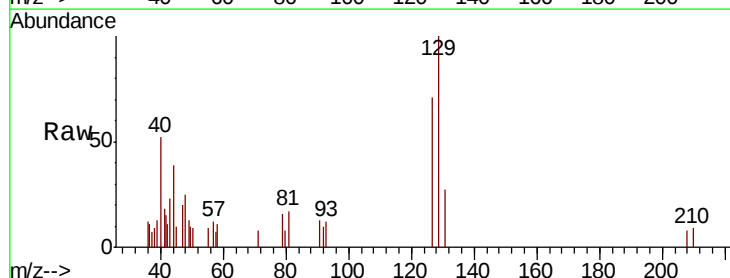
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

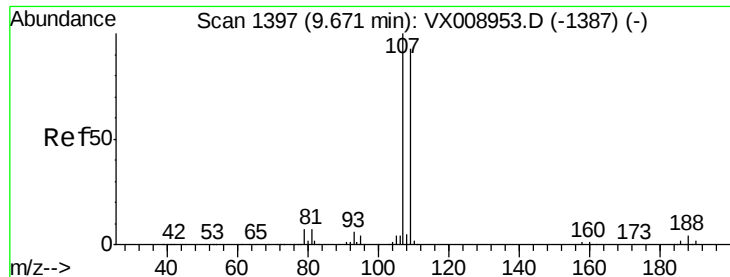
Tot Ion: 43 Resp: 8588
Ion Ratio Lower Upper
43 100
58 54.0 25.9 77.8



#60
Dibromochloromethane
Concen: 0.438 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion:129 Resp: 1109
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 0.511 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

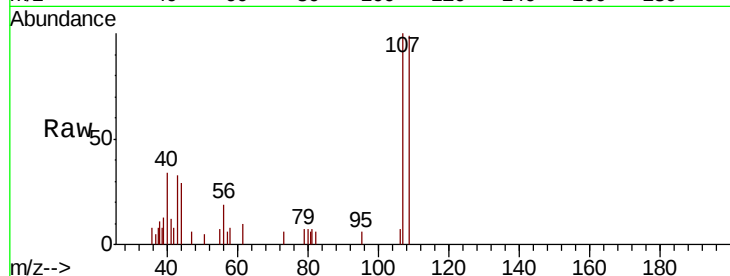
LOD-MDL-WATER-01-QT2-2019

Tot Ion:107 Resp: 1394

Ion Ratio Lower Upper

107 100

109 100.0 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

1000

800

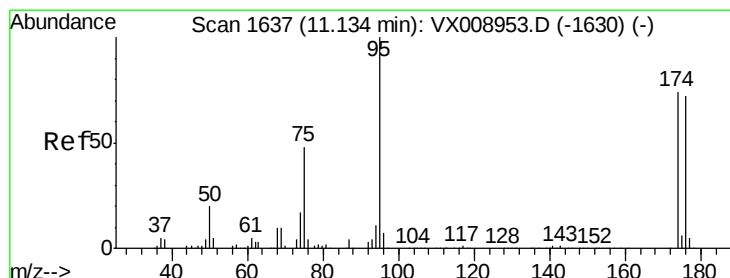
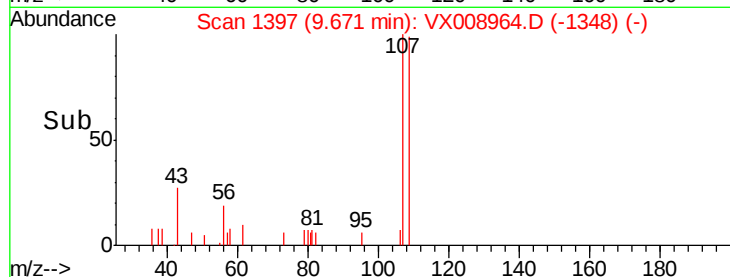
600

400

200

0

Time--> 9.60 9.65 9.70



#62

4-Bromofluorobenzene

Concen: 47.440 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

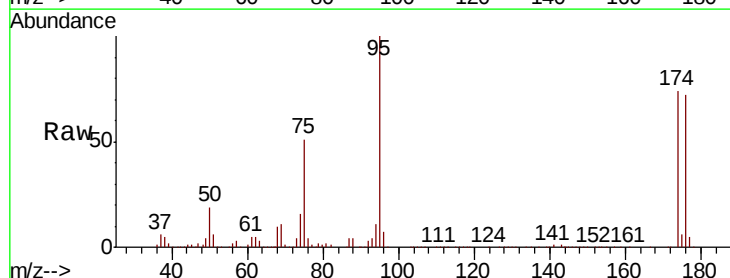
Tgt Ion: 95 Resp: 156365

Ion Ratio Lower Upper

95 100

174 78.9 0.0 159.6

176 76.3 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

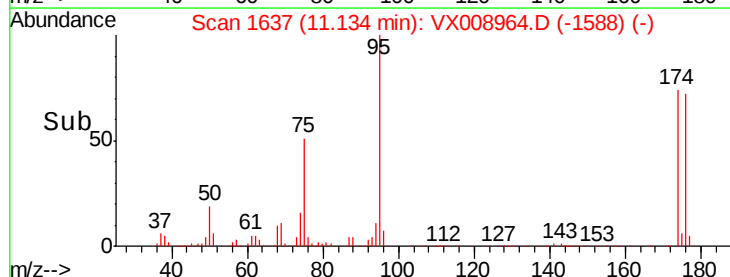
150000

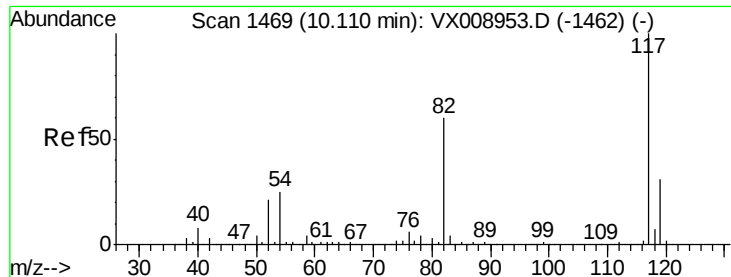
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

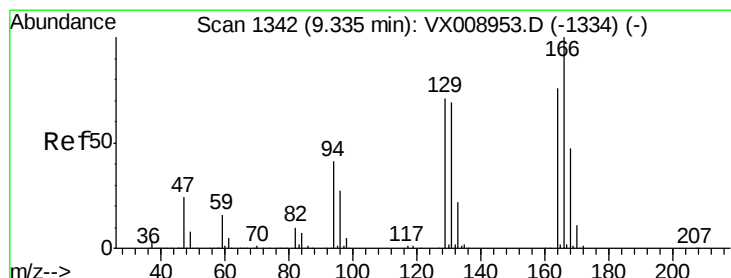
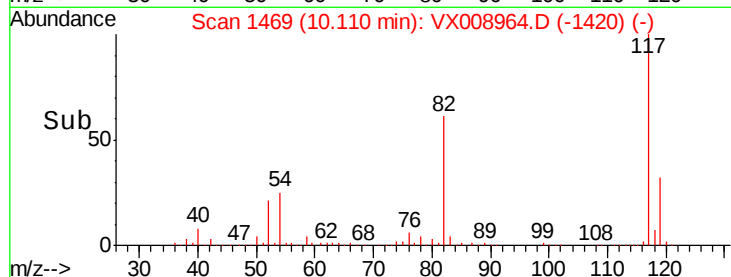
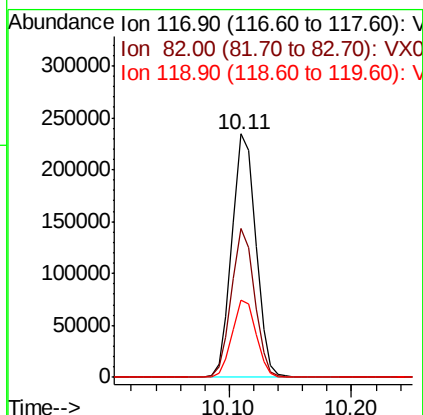
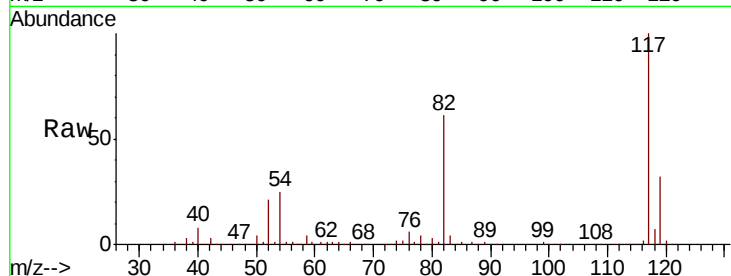




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

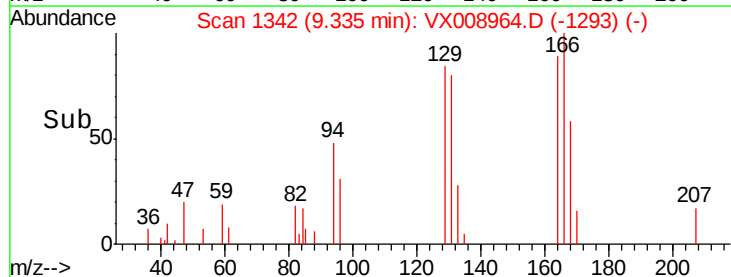
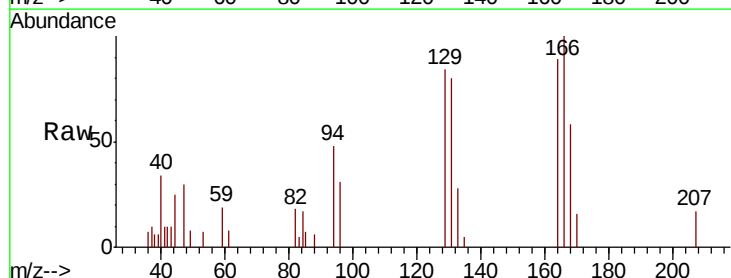
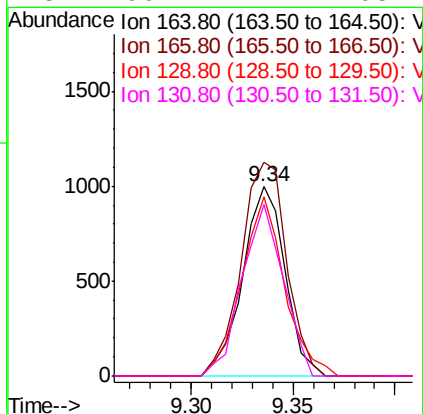
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

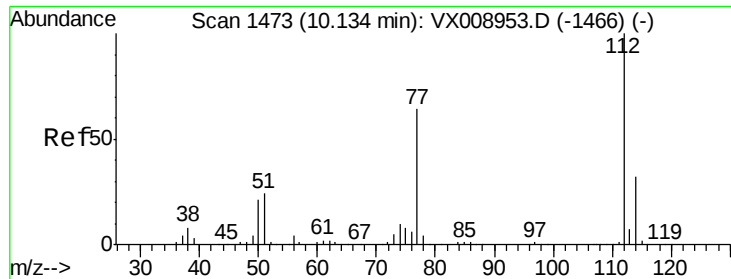
Tot Ion:117 Resp: 316961
Ion Ratio Lower Upper
117 100
82 61.0 48.2 72.4
119 31.6 25.0 37.6



#64
Tetrachloroethene
Concen: 0.596 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion:164 Resp: 1436
Ion Ratio Lower Upper
164 100
166 112.8 105.0 157.4
129 94.4 74.2 111.4
131 90.4 72.2 108.2

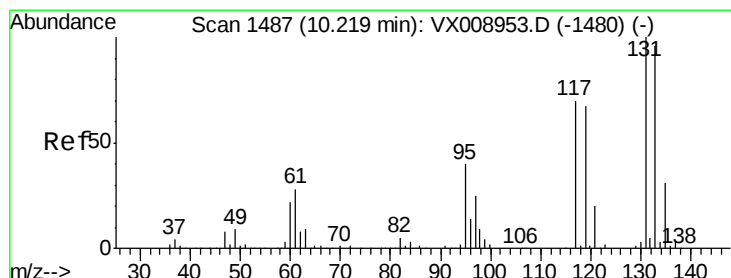
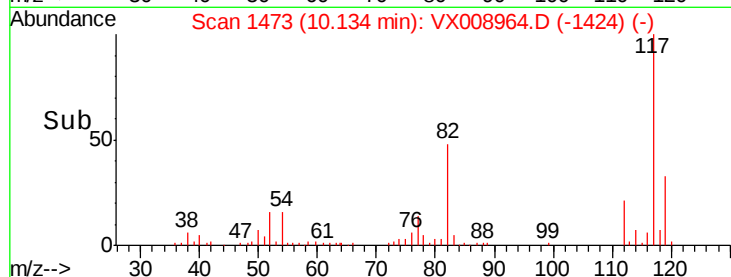
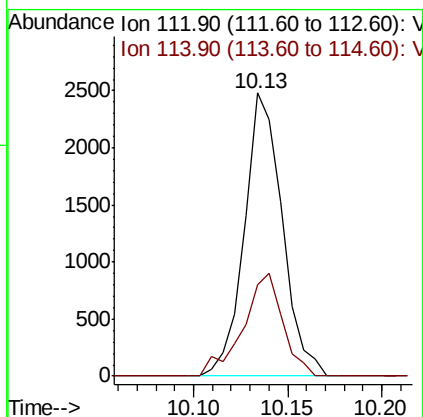
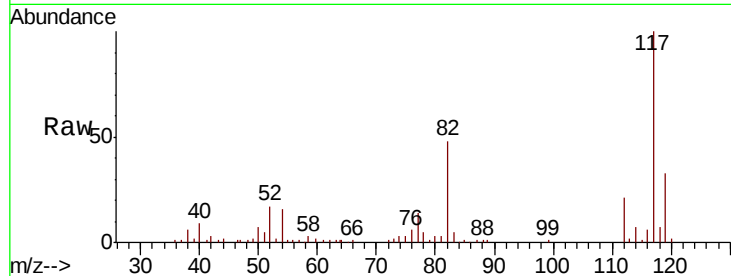




#65
Chlorobenzene
Concen: 0.517 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

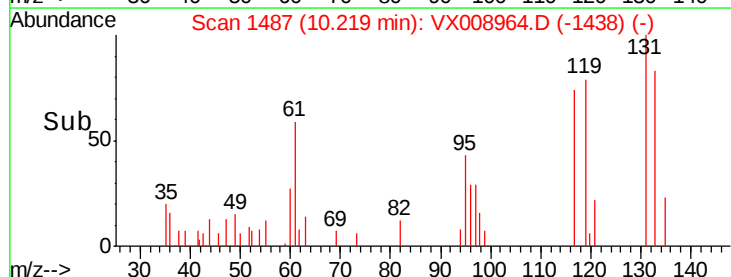
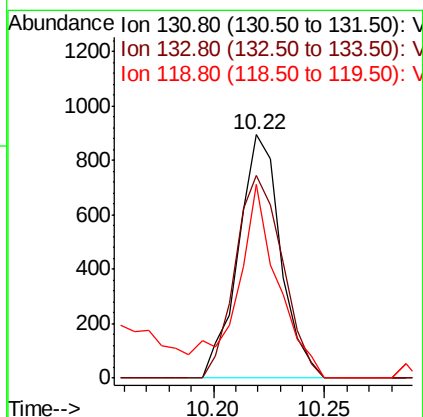
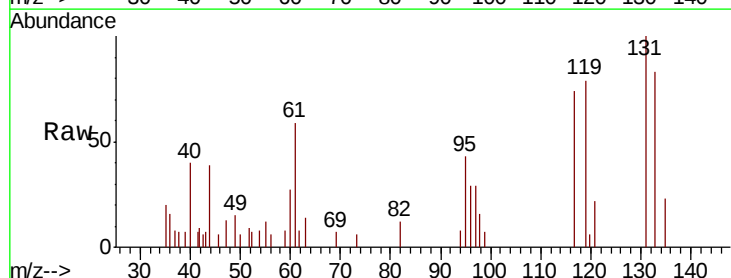
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

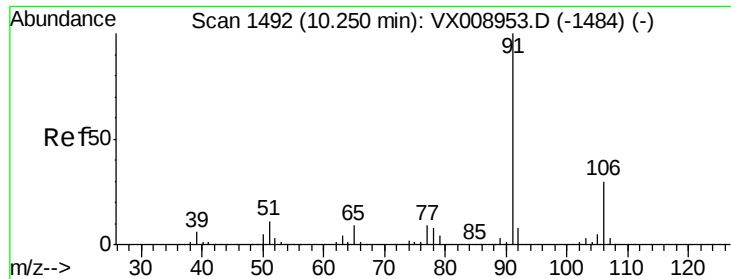
Tot Ion:112 Resp: 3459
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 0.505 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion:131 Resp: 1191
Ion Ratio Lower Upper
131 100
133 92.7 48.0 144.2
119 0.0 33.7 101.1#

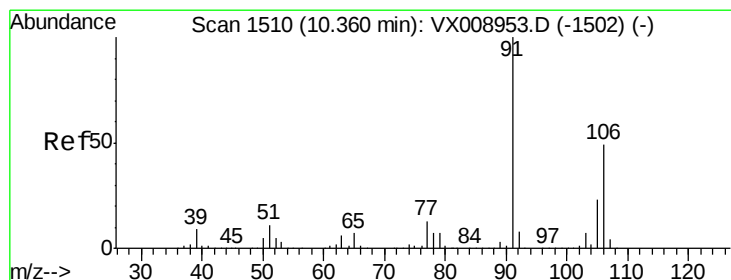
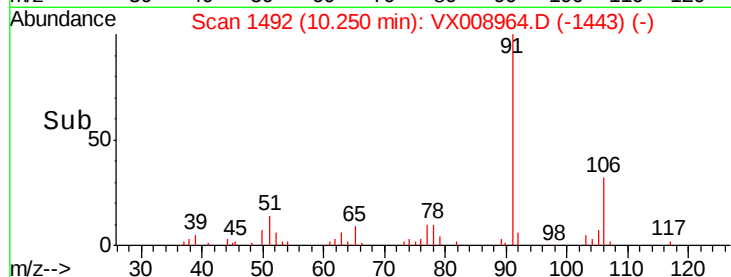
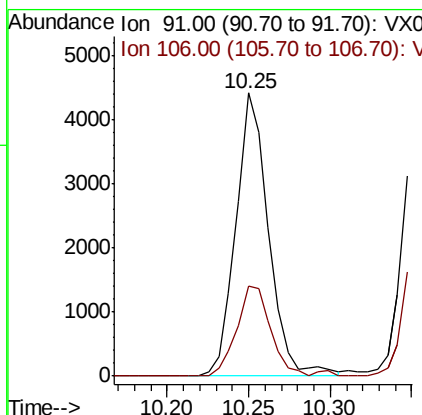
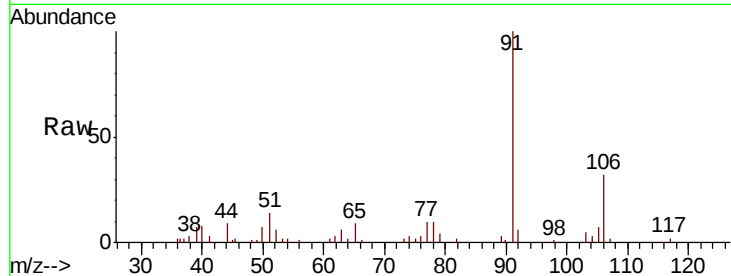




#67
Ethyl Benzene
Concen: 0.504 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

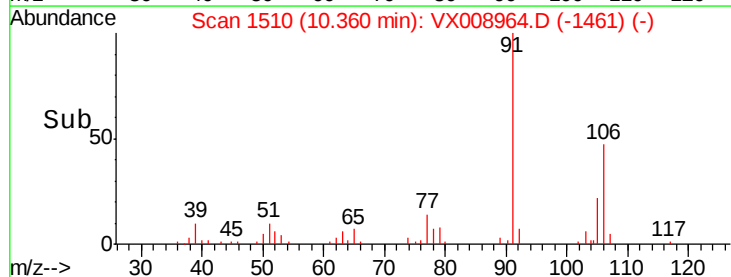
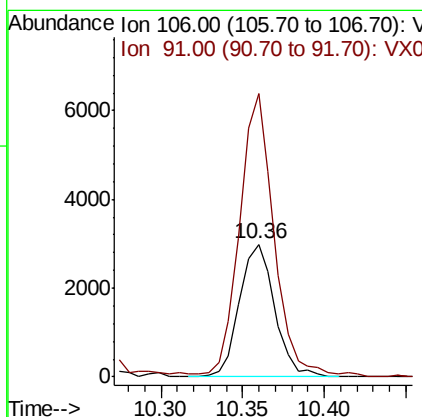
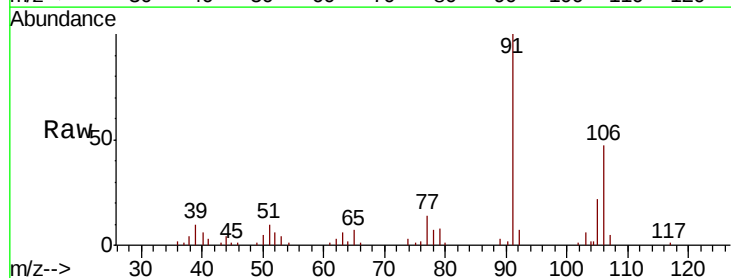
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

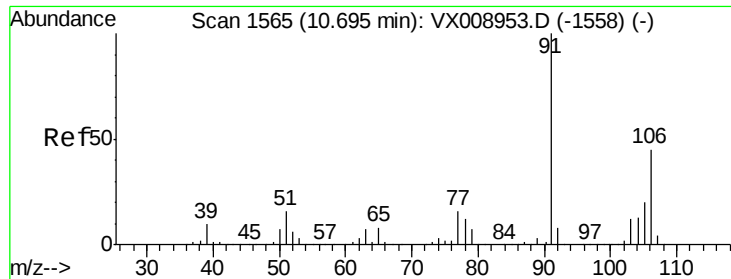
Tot Ion: 91 Resp: 6167
Ion Ratio Lower Upper
91 100
106 32.0 24.3 36.5



#68
m/p-Xylenes
Concen: 1.012 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion: 106 Resp: 4496
Ion Ratio Lower Upper
106 100
91 210.9 165.4 248.2

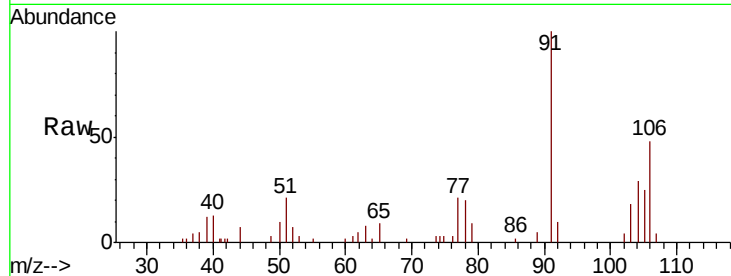




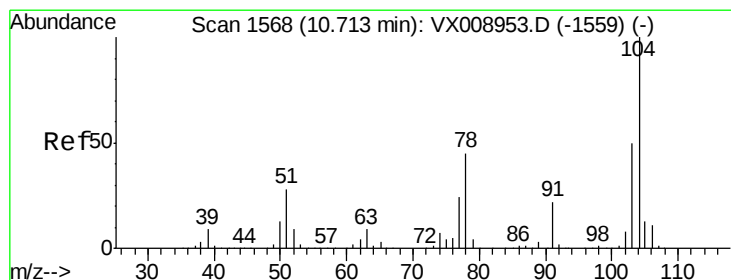
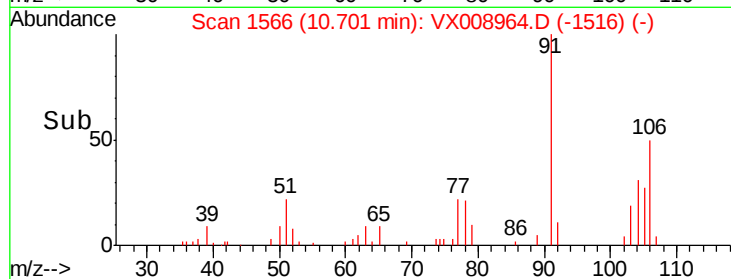
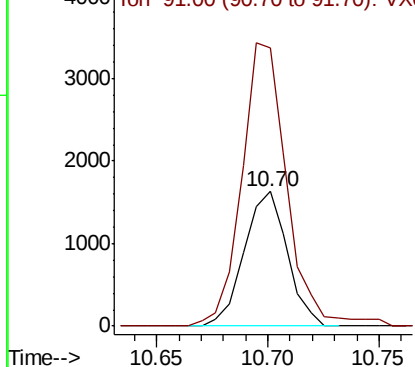
#69
o-Xylene
Concen: 0.507 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:106 Resp: 2194
Ion Ratio Lower Upper
106 100
91 221.3 108.9 326.7

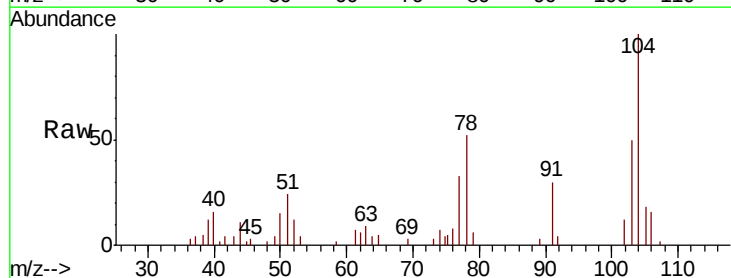


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

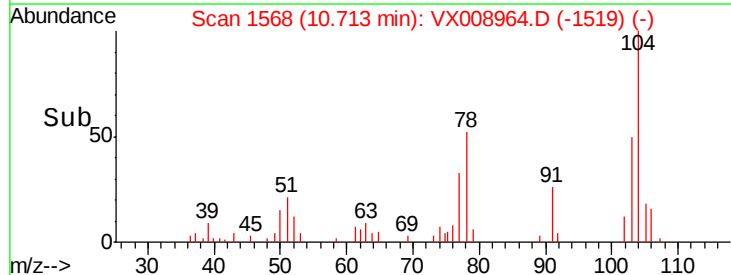
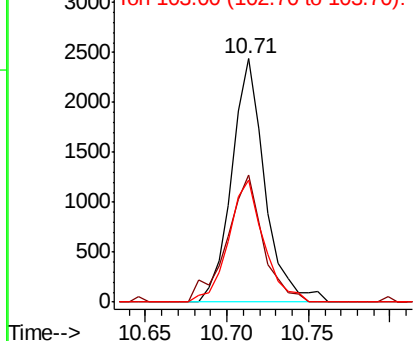


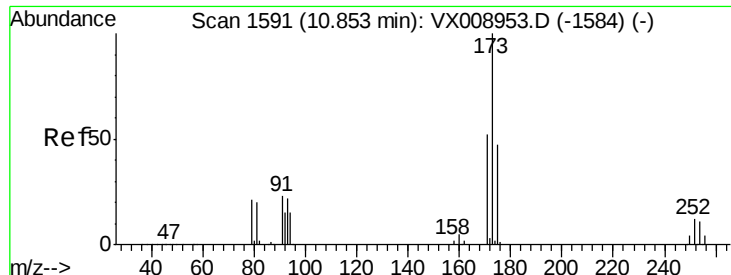
#70
Styrene
Concen: 0.461 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion:104 Resp: 3452
Ion Ratio Lower Upper
104 100
78 56.3 41.2 61.8
103 53.2 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

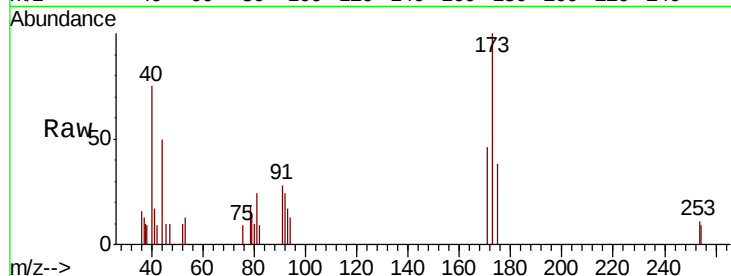




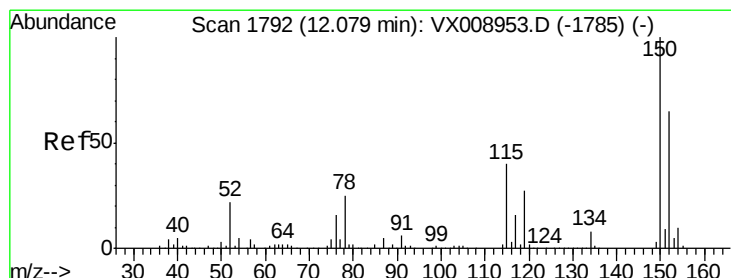
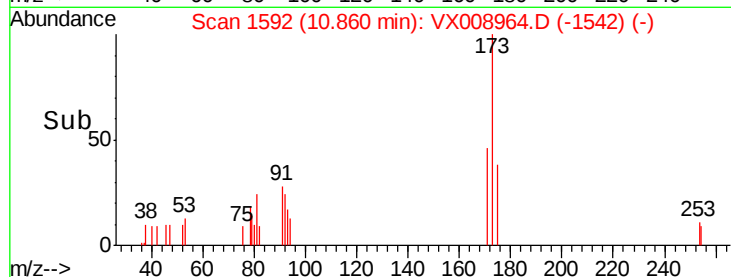
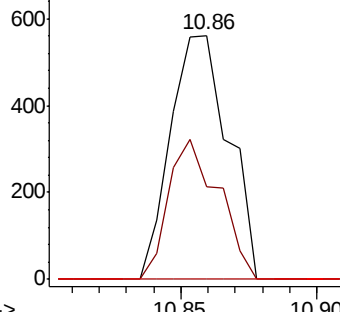
#71
Bromoform
Concen: 0.442 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:173 Resp: 830
Ion Ratio Lower Upper
173 100
175 49.6 23.9 71.8
254 0.0 0.2 0.4#

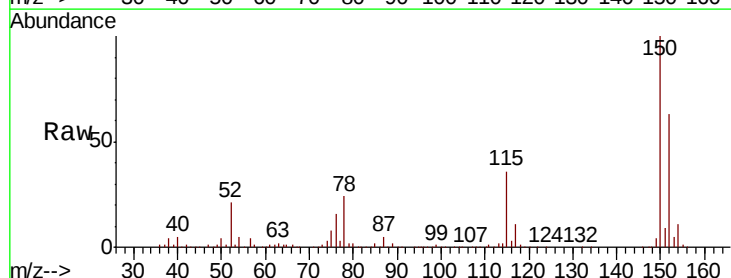


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

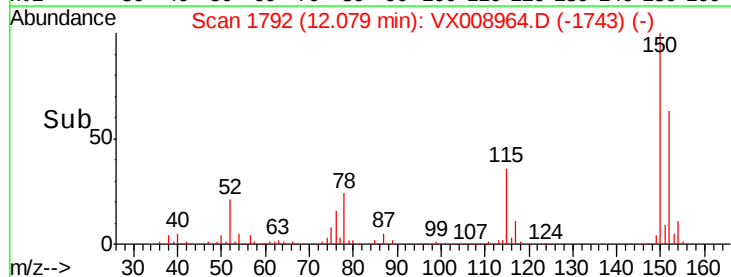
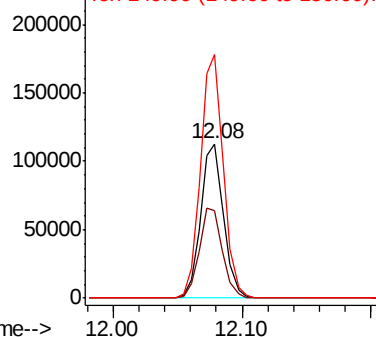


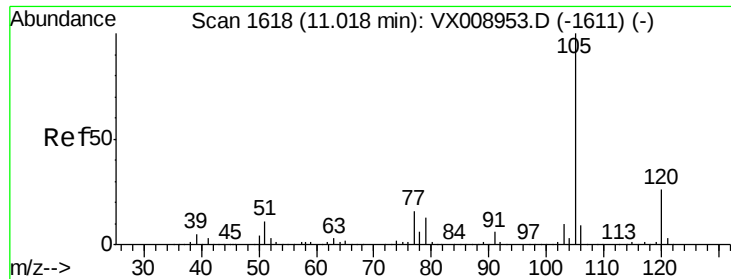
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion:152 Resp: 139233
Ion Ratio Lower Upper
152 100
115 59.8 41.4 124.2
150 158.6 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.523 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

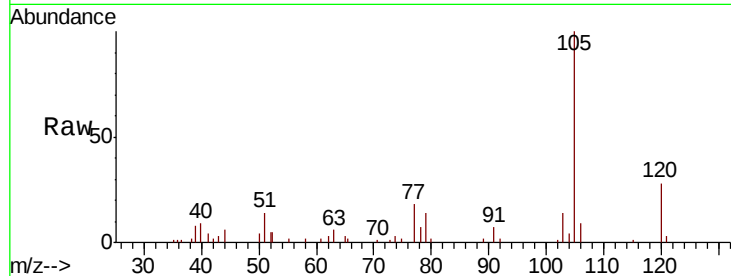
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 105 Resp: 5516

Ion Ratio Lower Upper

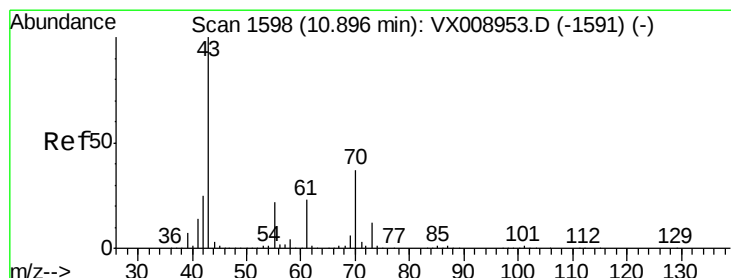
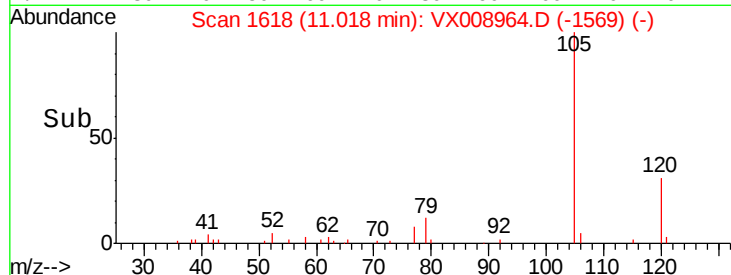
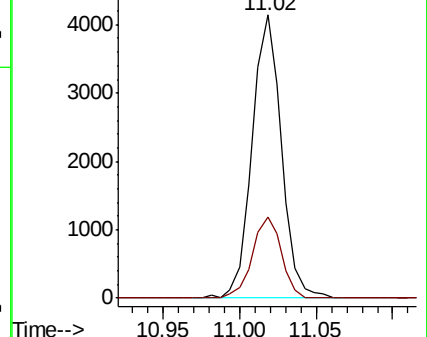
105 100

120 28.2 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.511 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Tgt Ion: 43 Resp: 3096

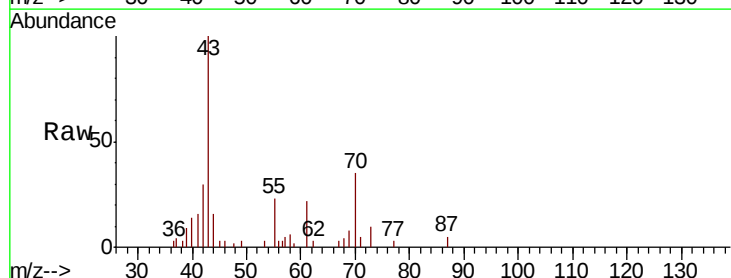
Ion Ratio Lower Upper

43 100

70 37.9 29.9 44.9

55 32.5 17.8 26.8#

61 23.3 18.3 27.5

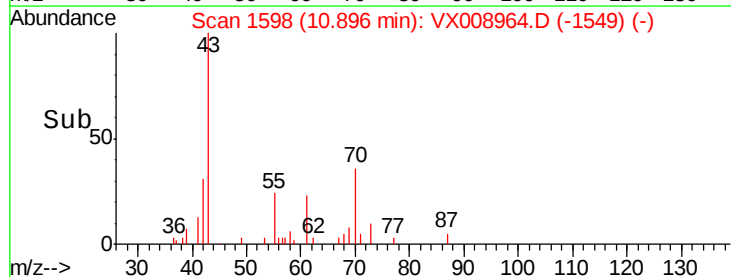
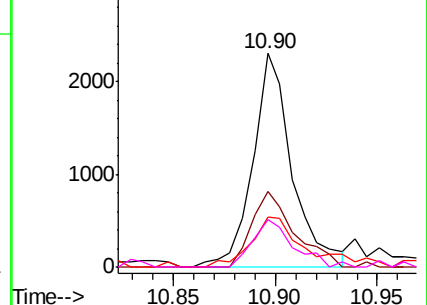


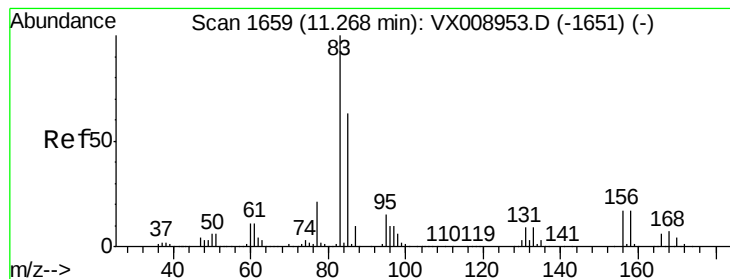
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.562 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

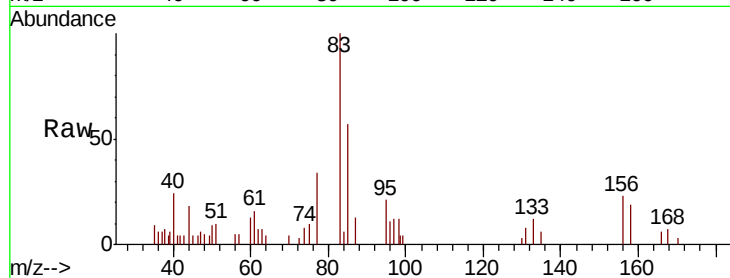
Tot Ion: 83 Resp: 2169

Ion Ratio Lower Upper

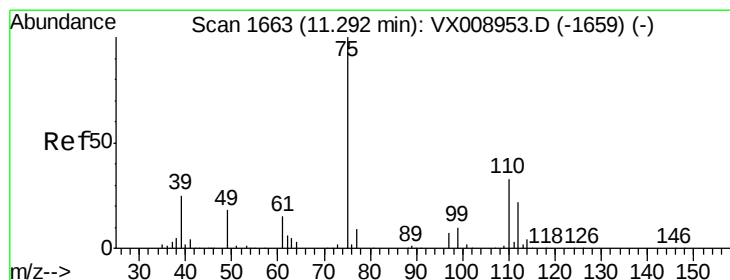
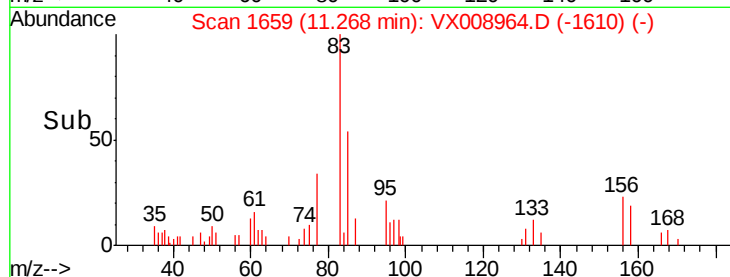
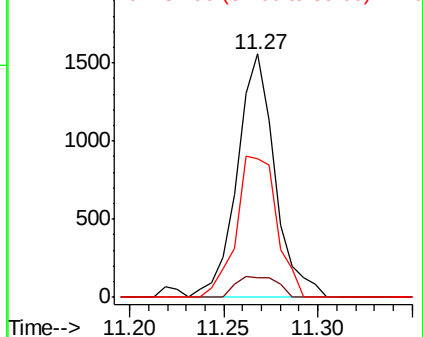
83 100

131 9.4 4.7 14.0

85 62.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.770 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX008964.D

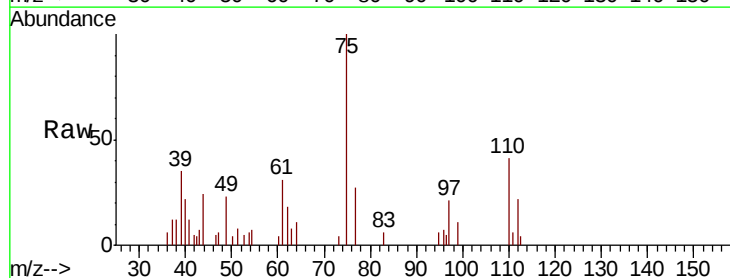
Acq: 15 Apr 2019 16:46

Tgt Ion: 75 Resp: 2619

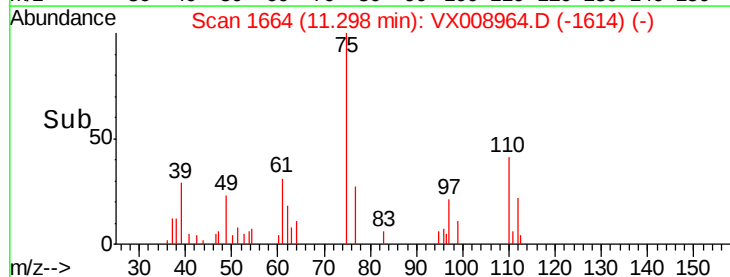
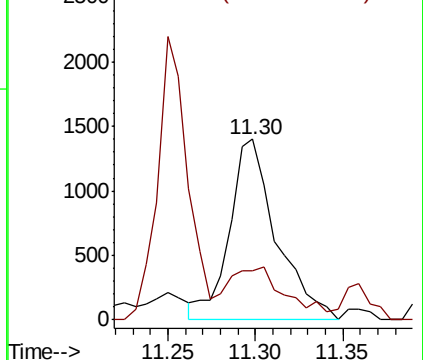
Ion Ratio Lower Upper

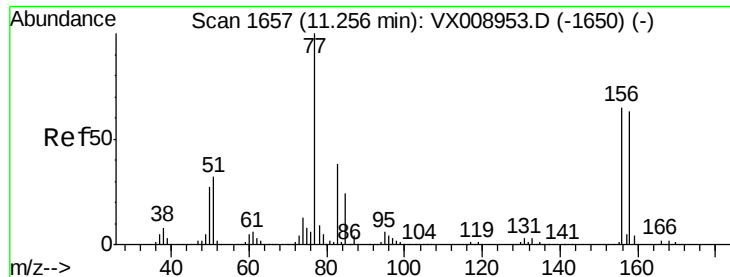
75 100

77 33.7 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.569 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

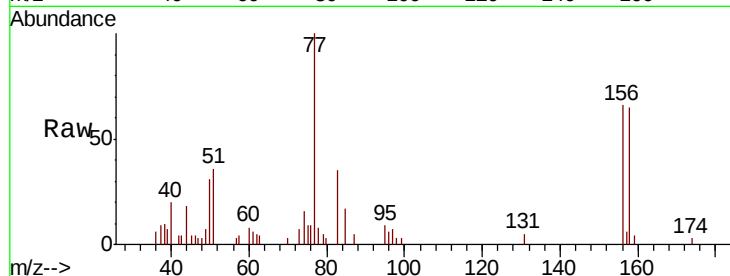
Tot Ion:156 Resp: 1516

Ion Ratio Lower Upper

156 100

77 178.8 85.4 256.1

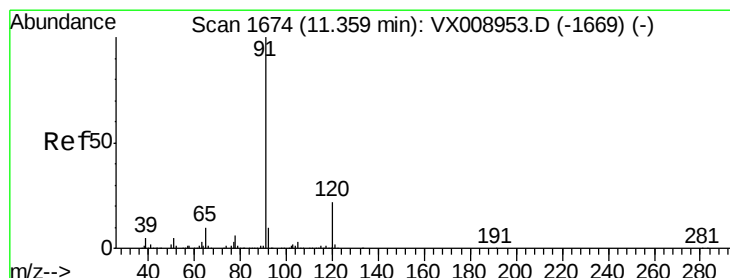
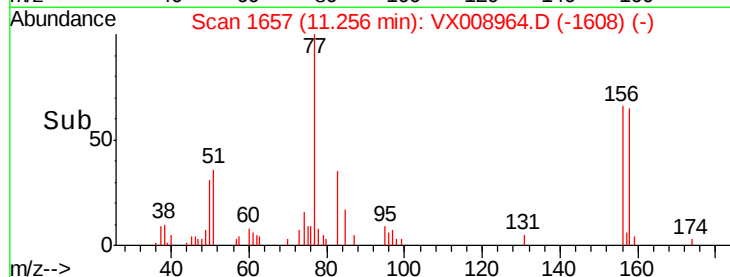
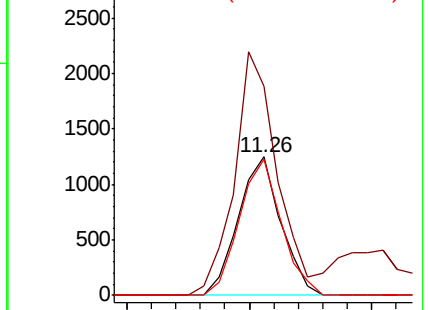
158 96.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.515 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008964.D

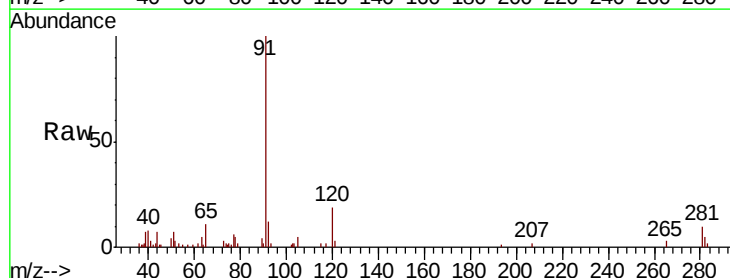
Acq: 15 Apr 2019 16:46

Tgt Ion: 91 Resp: 6243

Ion Ratio Lower Upper

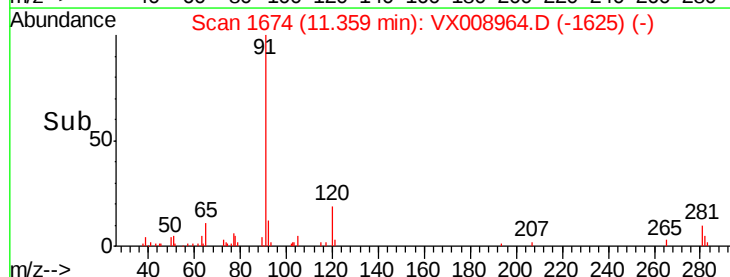
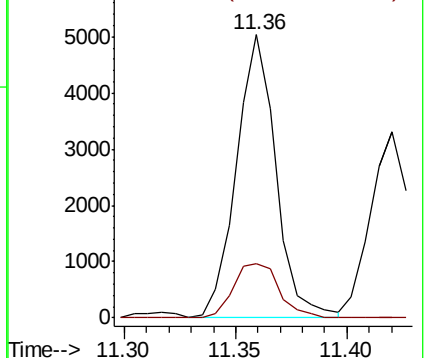
91 100

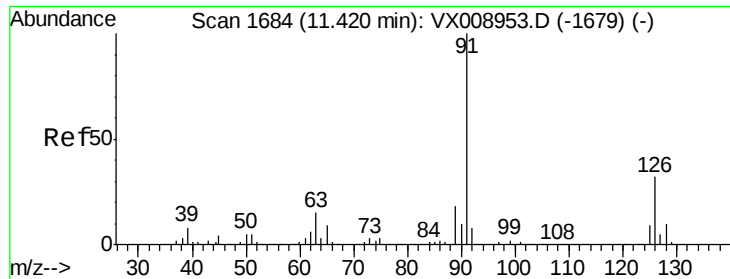
120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.590 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

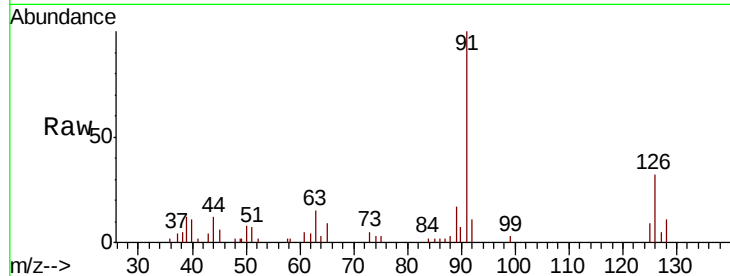
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 91 Resp: 4310

Ion Ratio Lower Upper

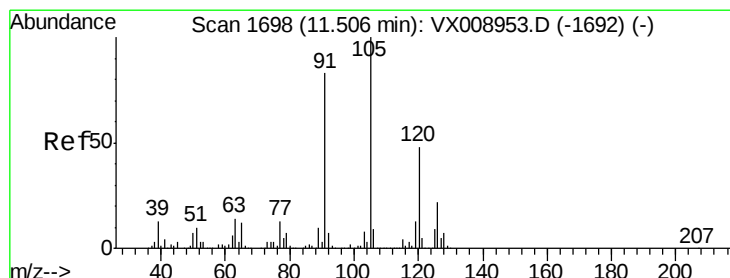
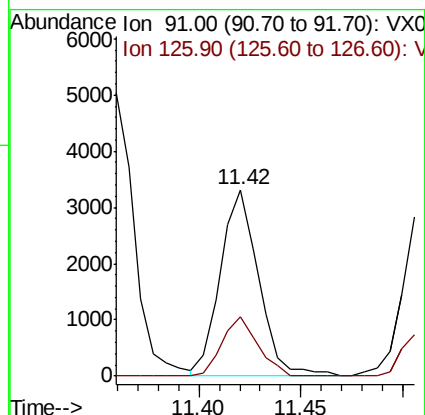
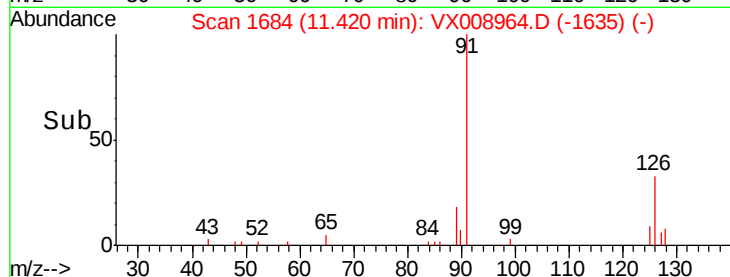
91 100

126 29.7 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.503 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008964.D

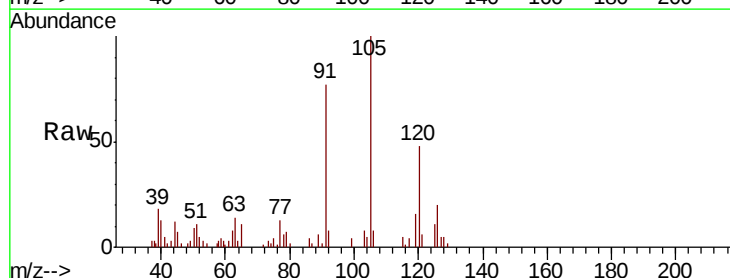
Acq: 15 Apr 2019 16:46

Tgt Ion: 105 Resp: 4457

Ion Ratio Lower Upper

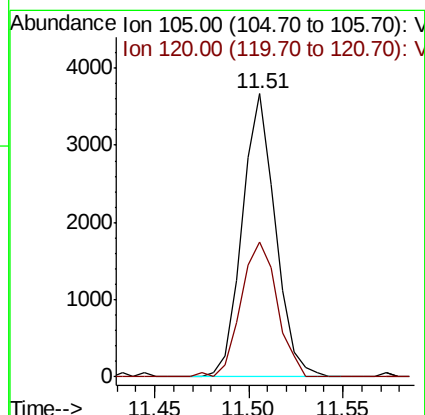
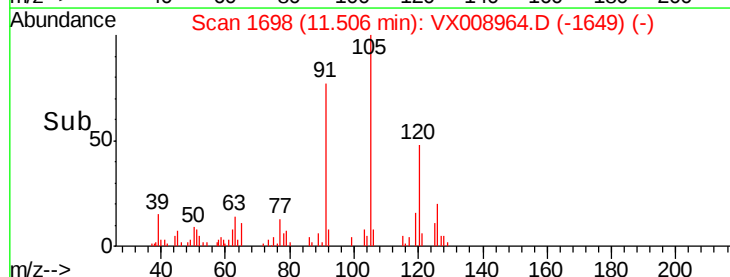
105 100

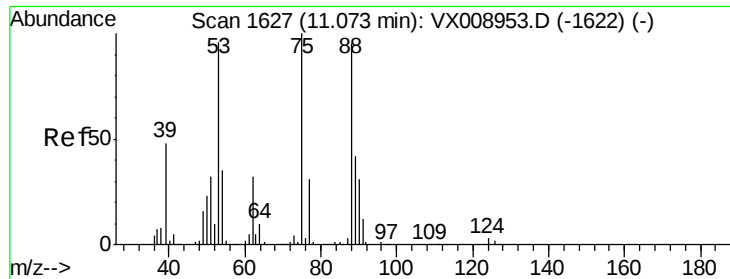
120 52.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008953.D (-1692) (-)

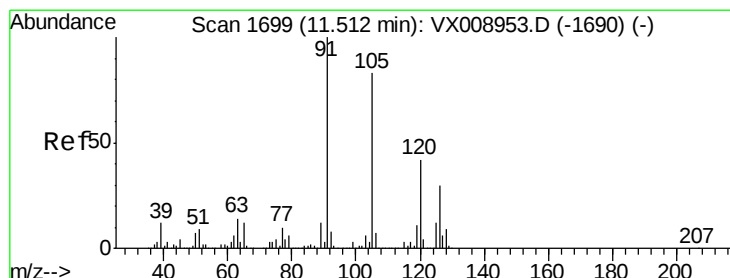
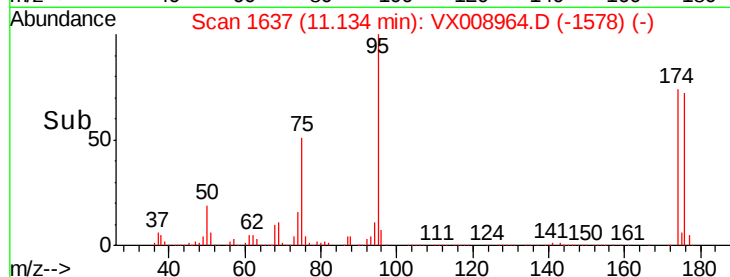
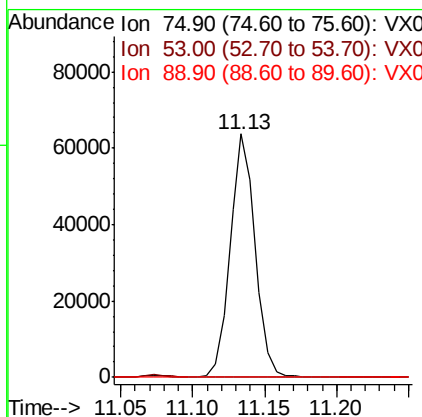
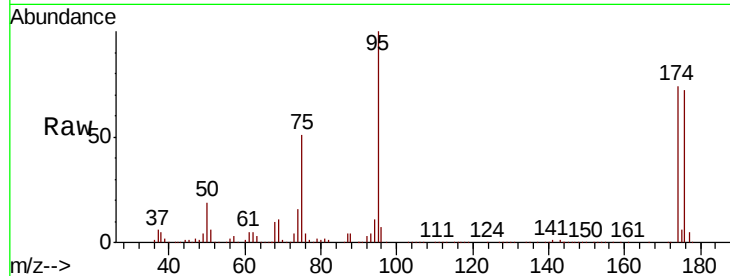




#81
trans-1,4-Dichloro-2-butene
Concen: 58.522 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

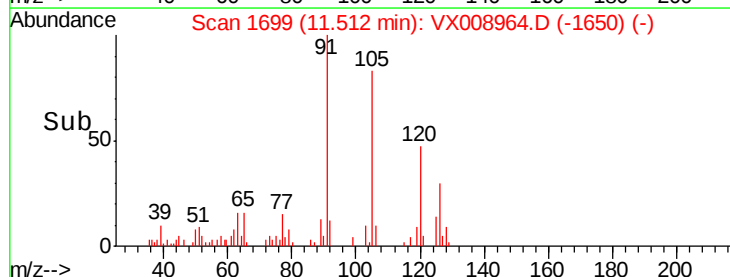
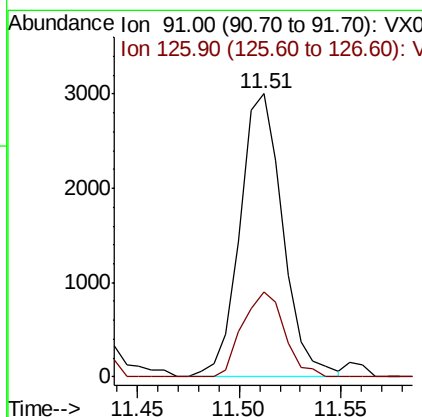
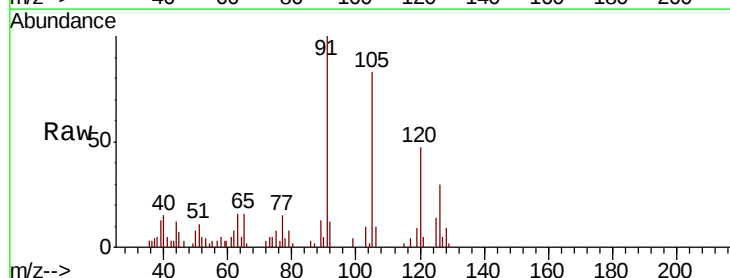
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

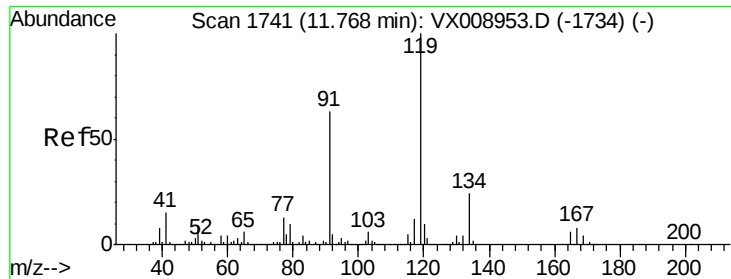
Tot Ion: 75 Resp: 77499
Ion Ratio Lower Upper
75 100
53 0.2 78.2 117.4#
89 0.0 36.0 54.0#



#82
4-Chlorotoluene
Concen: 0.519 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion: 91 Resp: 4399
Ion Ratio Lower Upper
91 100
126 29.2 14.3 42.9

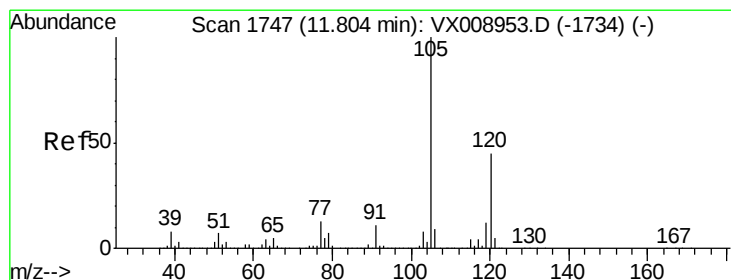
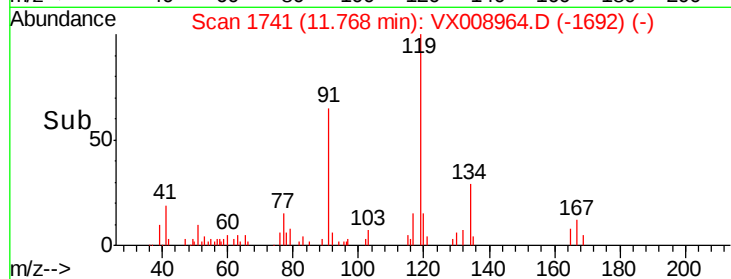
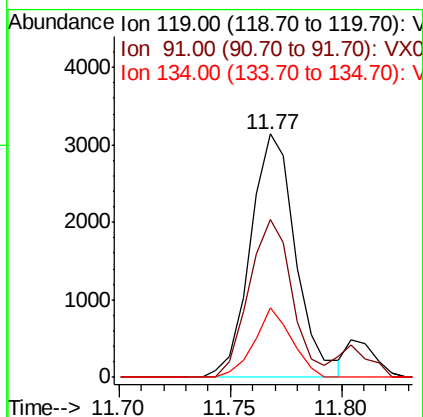
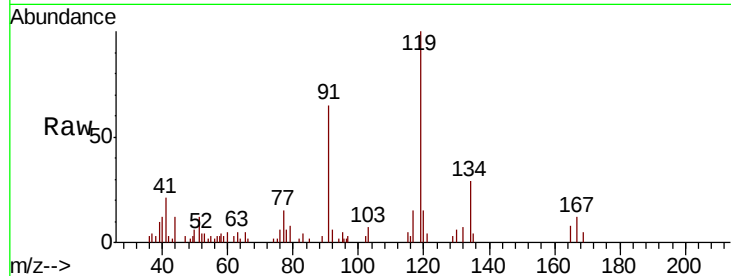




#83
tert-Butylbenzene
Concen: 0.523 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

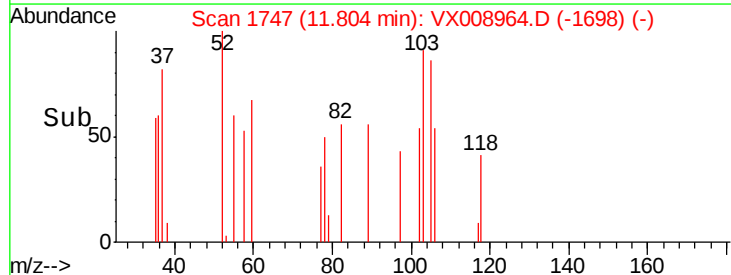
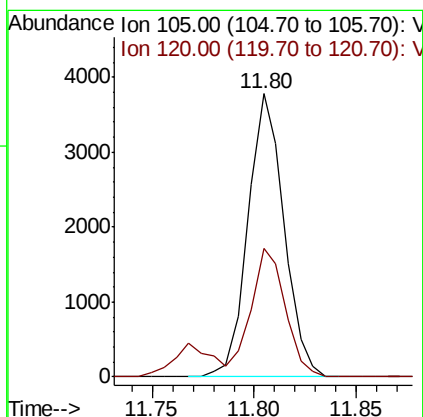
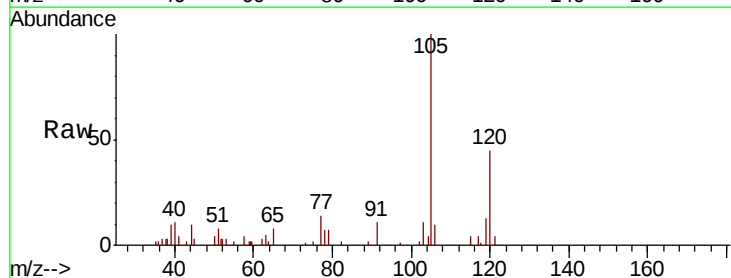
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:119 Resp: 4449
Ion Ratio Lower Upper
119 100
91 62.0 29.7 89.1
134 23.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 0.515 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion:105 Resp: 4639
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.8





#85

sec-Butylbenzene

Concen: 0.501 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

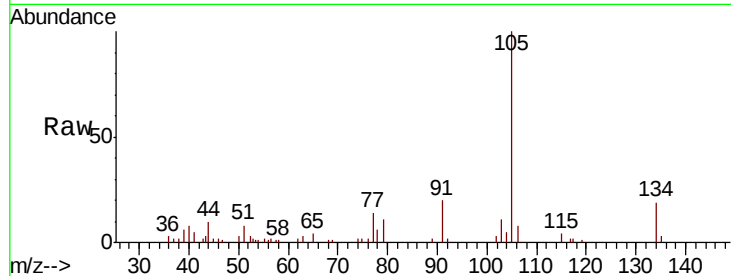
LOD-MDL-WATER-01-QT2-2019

Tot Ion:105 Resp: 5079

Ion Ratio Lower Upper

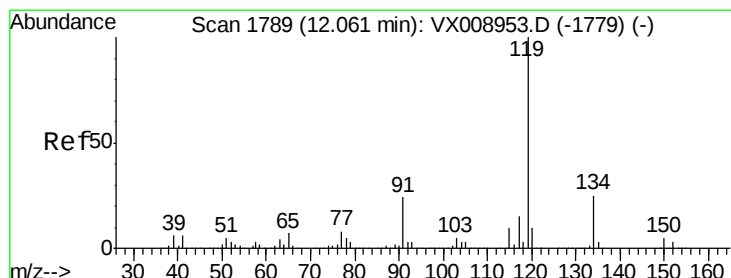
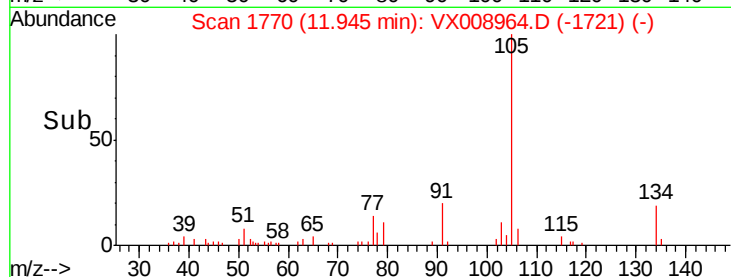
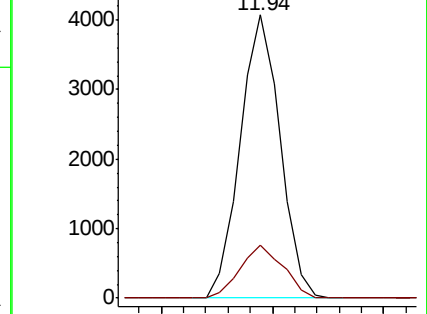
105 100

134 20.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.500 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

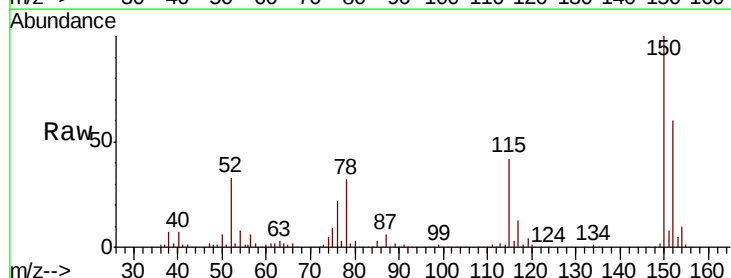
Tgt Ion:119 Resp: 4660

Ion Ratio Lower Upper

119 100

134 29.1 12.9 38.6

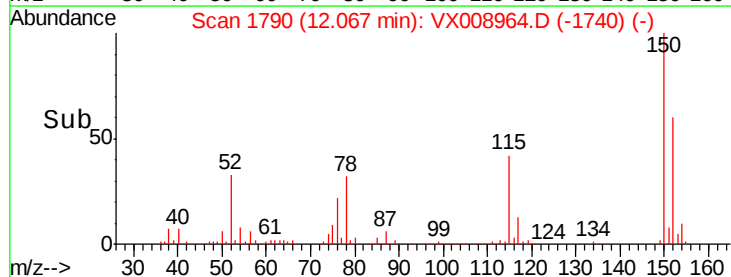
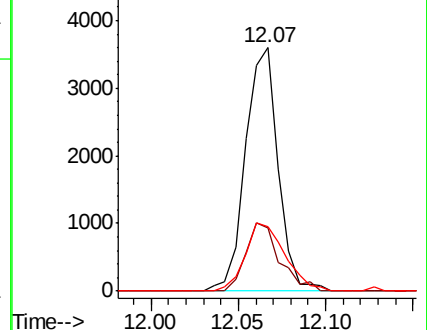
91 34.0 11.9 35.5

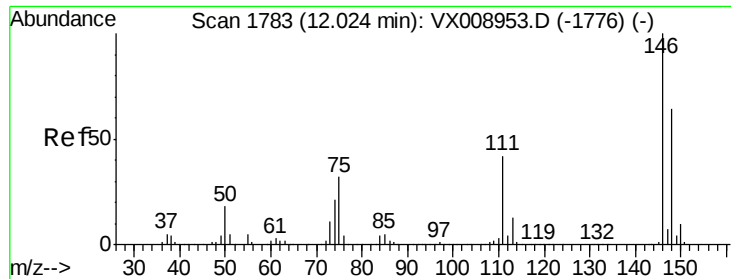


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

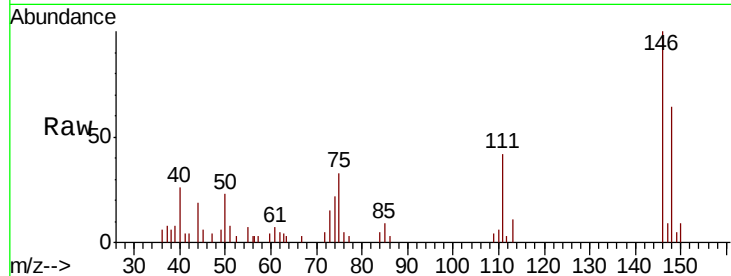




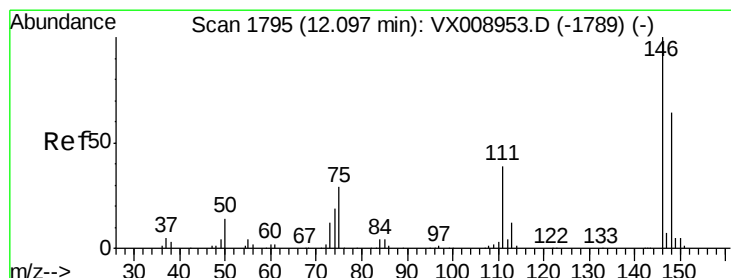
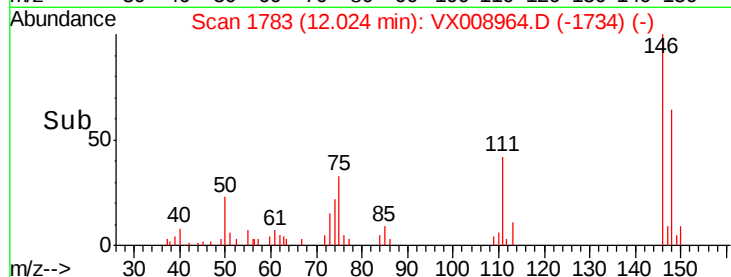
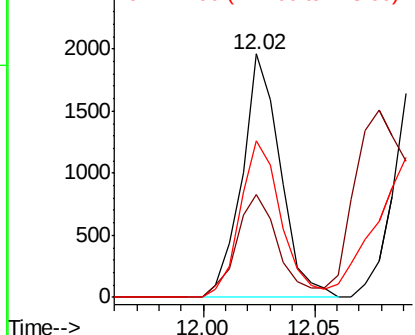
#87
 1,3-Dichlorobenzene
 Concen: 0.504 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:146 Resp: 2350
 Ion Ratio Lower Upper
 146 100
 111 45.7 20.5 61.6
 148 68.9 32.2 96.6

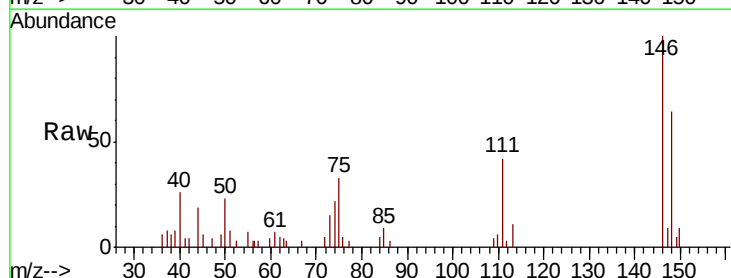


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

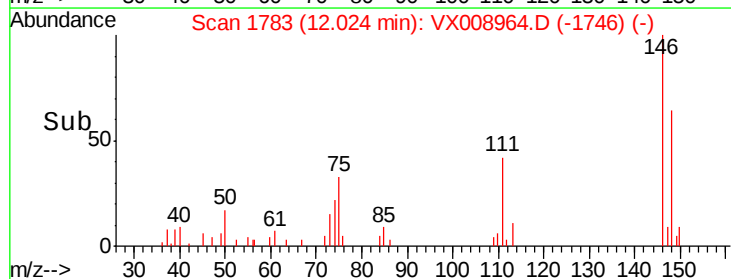
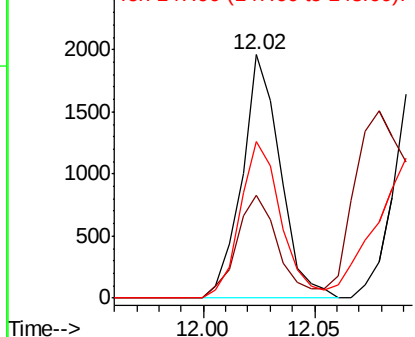


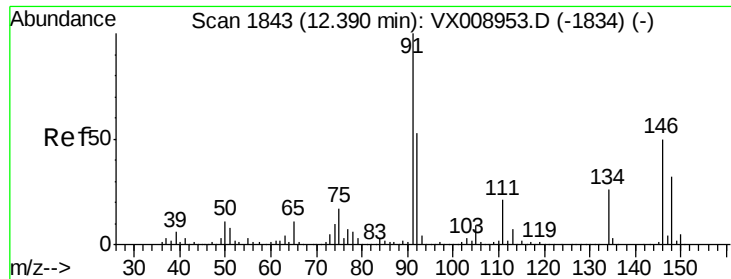
#88
 1,4-Dichlorobenzene
 Concen: 0.497 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Tgt Ion:146 Resp: 2350
 Ion Ratio Lower Upper
 146 100
 111 45.7 20.0 59.9
 148 68.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

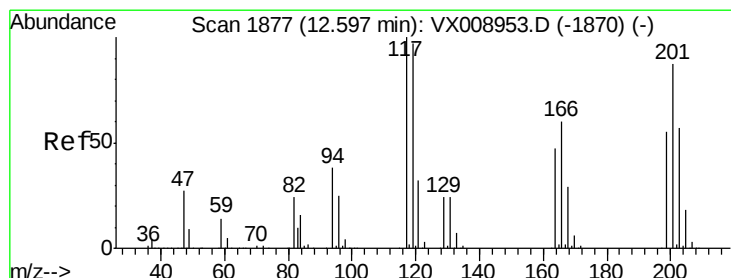
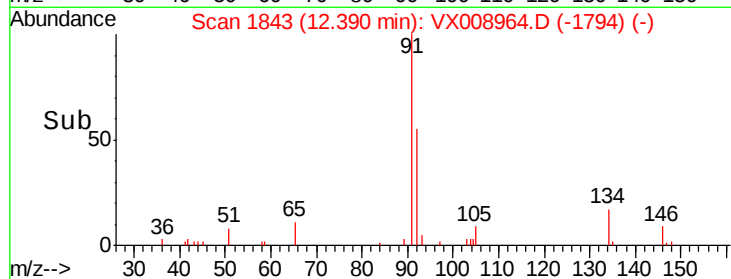
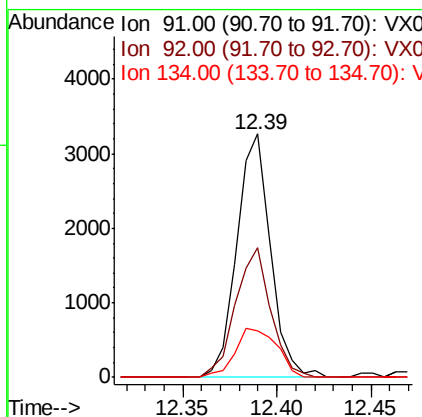
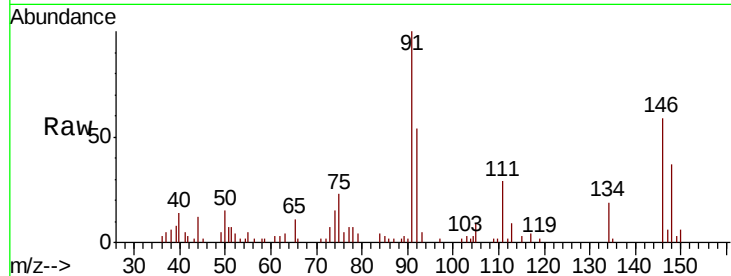




#89
n-Butylbenzene
Concen: 0.466 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

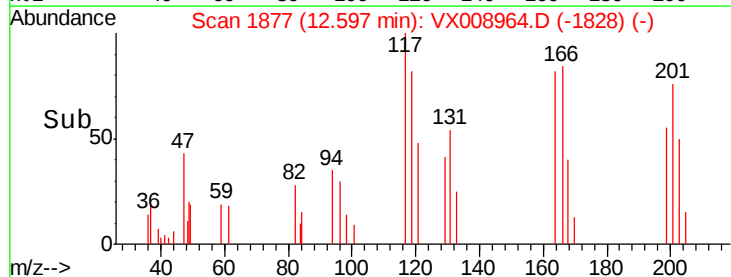
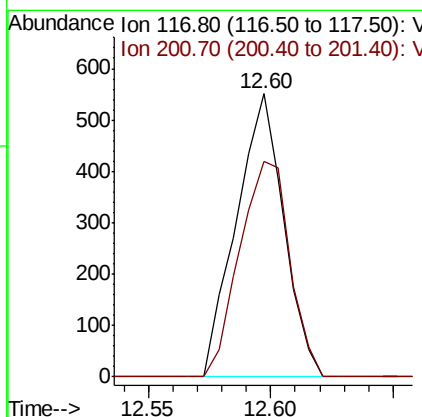
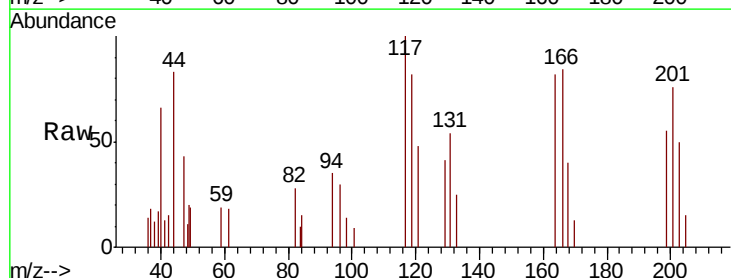
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

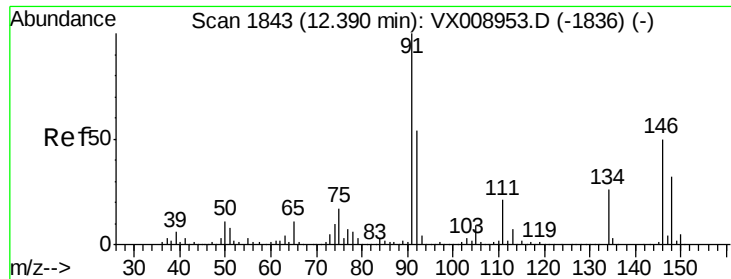
Tot Ion: 91 Resp: 4047
Ion Ratio Lower Upper
91 100
92 55.9 26.6 79.8
134 25.0 12.4 37.2



#90
Hexachloroethane
Concen: 0.481 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008964.D
Acq: 15 Apr 2019 16:46

Tgt Ion: 117 Resp: 740
Ion Ratio Lower Upper
117 100
201 80.7 43.0 129.0

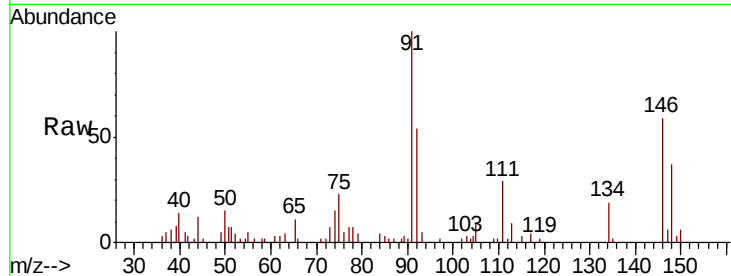




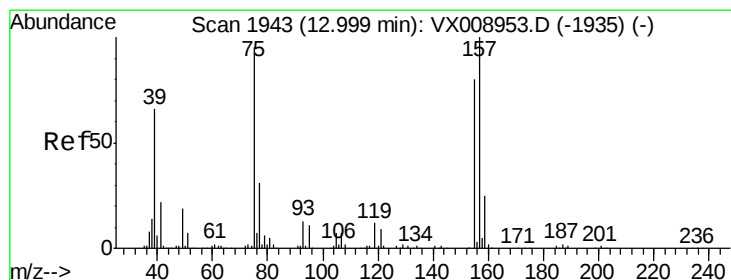
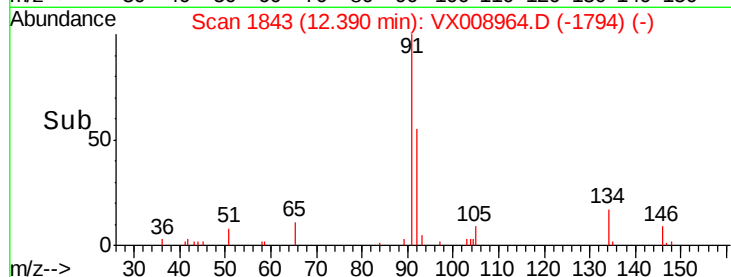
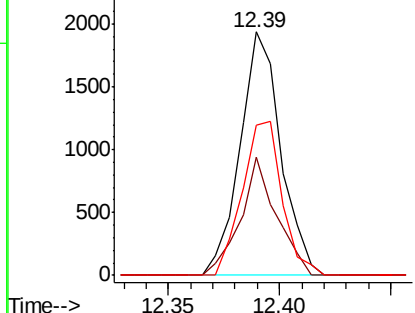
#91
 1,2-Dichlorobenzene
 Concen: 0.536 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:146 Resp: 2469
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.6 61.9
 148 62.0 32.0 96.2

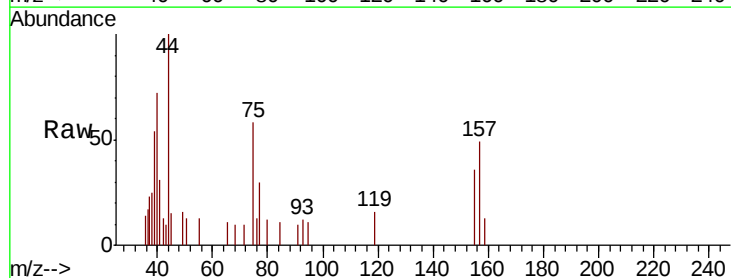


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

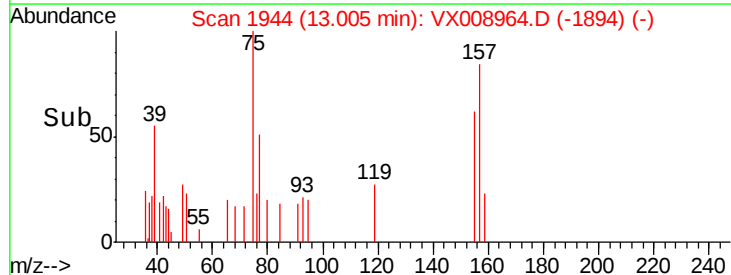
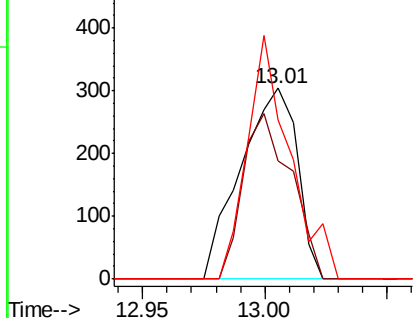


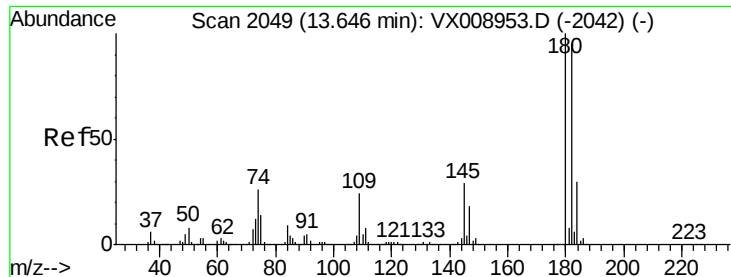
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.555 ug/l
 RT: 13.01 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Tgt Ion: 75 Resp: 487
 Ion Ratio Lower Upper
 75 100
 155 73.5 41.2 123.6
 157 96.3 52.5 157.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

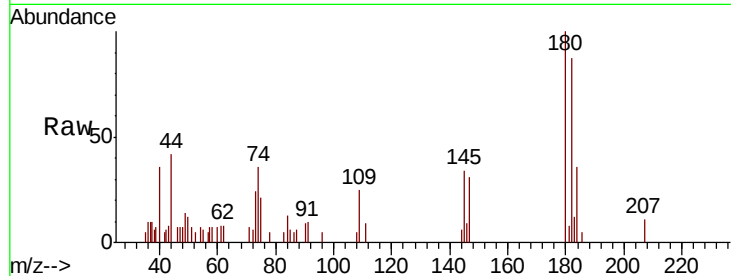




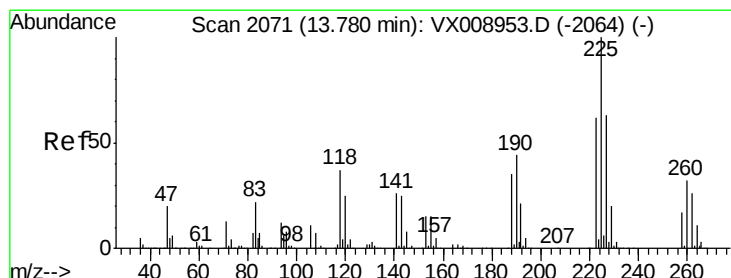
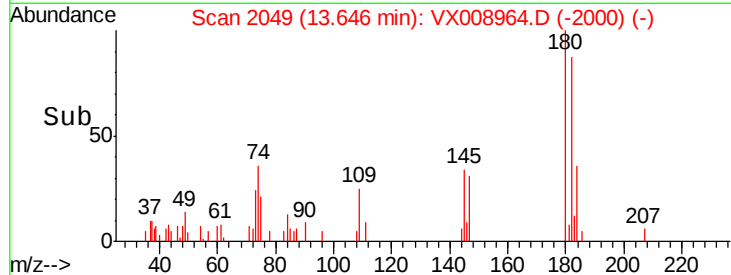
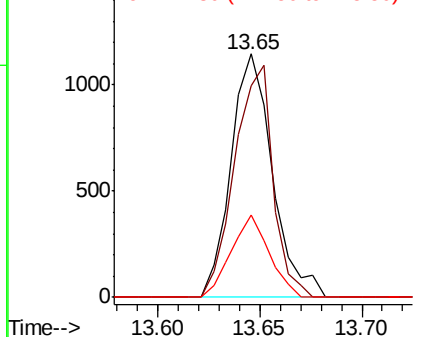
#93
 1,2,4-Trichlorobenzene
 Concen: 0.487 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:180 Resp: 1618
 Ion Ratio Lower Upper
 180 100
 182 88.1 47.6 142.9
 145 31.0 14.8 44.4

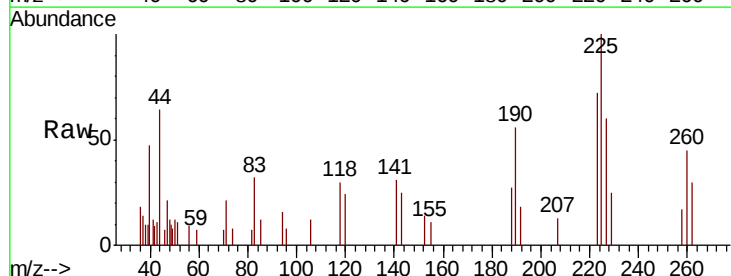


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

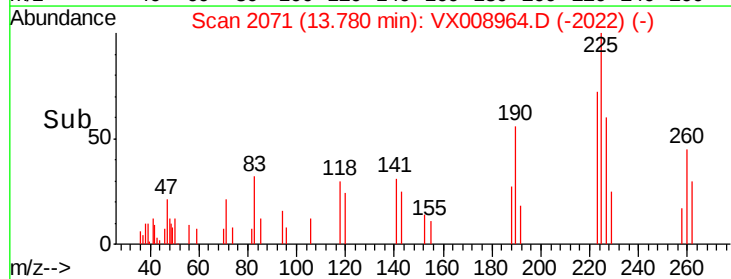
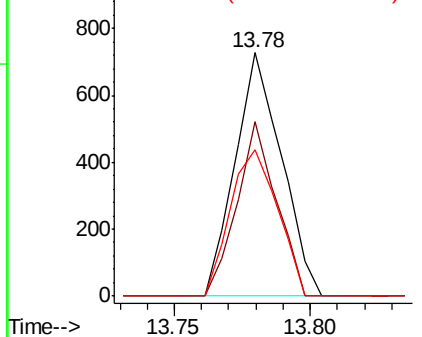


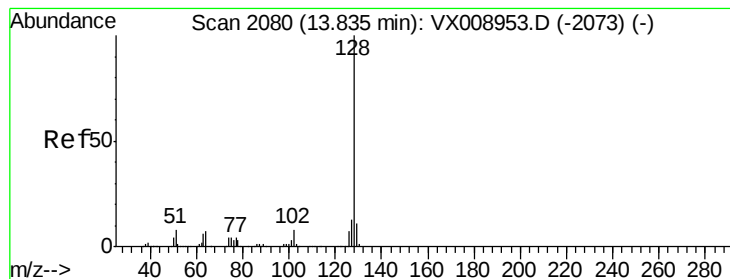
#94
 Hexachlorobutadiene
 Concen: 0.519 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008964.D
 Acq: 15 Apr 2019 16:46

Tgt Ion:225 Resp: 860
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.1 93.2
 227 61.2 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.451 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

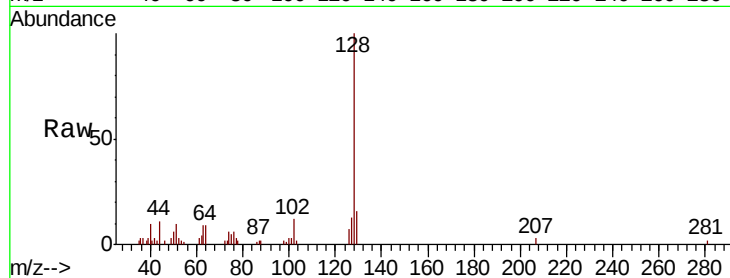
Tot Ion:128 Resp: 4802

Ion Ratio Lower Upper

128 100

127 15.1 10.6 16.0

129 12.7 8.6 13.0

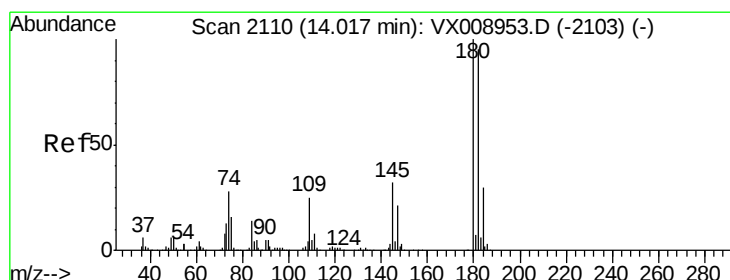
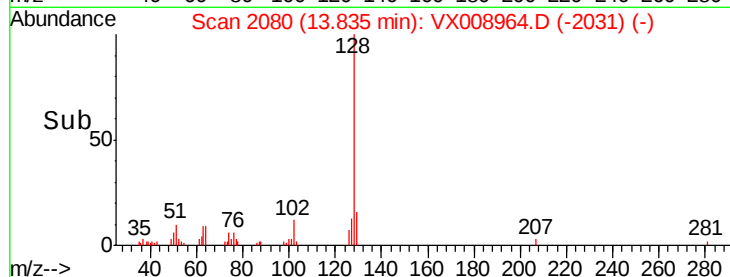
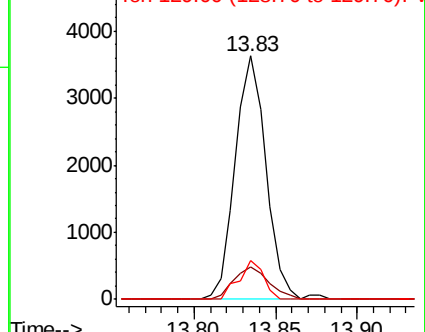


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.470 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX008964.D

Acq: 15 Apr 2019 16:46

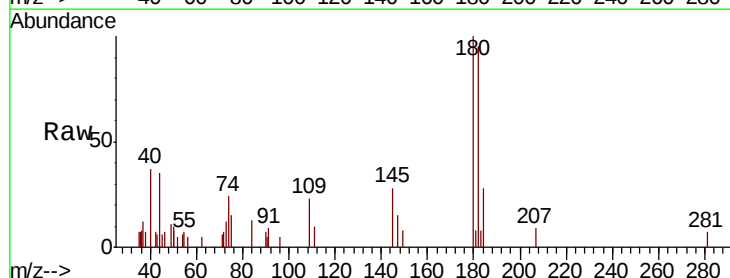
Tgt Ion:180 Resp: 1540

Ion Ratio Lower Upper

180 100

182 98.7 47.8 143.4

145 32.3 15.8 47.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

